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1. APPLICATION OF TARIFF

1.1 General

A. This Tariff contains regulations, rates and charges applicable to the provision of Carrier Common Line, Switched Access Services, Special Access Services, and other miscellaneous services, hereinafter referred to as service(s), provided by the Telephone Membership Corporations listed below, hereinafter referred to as the Company, to Interexchange Carriers, Resellers, Telephone Companies and any other entity authorized to order service out of this Tariff, hereinafter referred to as IC(s). The services identified in this Tariff, with certain exceptions which are identified as follows, are also available to other customers, subject to the same constraints and limitations that are applicable to certified interexchange carriers.

B. The provision of such services by the Company as set forth in this Tariff does not constitute a joint undertaking with the IC for the furnishing of any service.

C. The regulations, rates, and charges contained herein are in addition to the applicable regulations, rates, and charges specified in other tariffs of the Company which are referenced herein.

1.2 Concurring Carriers

A. The following North Carolina Telephone Membership Corporations concur with the provisions of this Tariff for the provisioning of intrastate originating switched access services and intrastate special access services. Rates, terms and conditions applicable to intrastate terminating switched access services is found in the Company's Interstate Switched Access Tariff.

1. Atlantic Telephone Membership Corporation
2. Skyline Telephone Membership Corporation

B. The following North Carolina Telephone Membership Corporations concur with the provisions of this tariff in its entirety except for Section 6 Switched Access Services. Rates, terms and conditions applicable to intrastate switched access services is found in the Company's Interstate Switched Access Tariff, with the exception that any rates applicable to Originating Switched Access Services that are different will be found in this document.

1. Piedmont Telephone
2. Randolph Telephone Membership Corporation
3. Star Telephone Membership Corporation
4. Surry Telephone Membership Corporation
5. Tri-County Telephone Membership Corporation
6. Wilkes Telephone Membership Corporation
7. Yadkin Valley Telephone Membership Corporation

2. GENERAL REGULATIONS

2.1 Undertaking of the Company

2.1.1 Scope

A. Services provided to an IC under the provisions of this Tariff may be connected to facilities used by the IC for the purpose of extending such facilities of the IC between certain locations and thereby constitute a portion of an end-to-end intrastate telecommunications service furnished by the IC for its own use or for the use of end users.

B. The Company does not undertake to transmit messages under this Tariff.

C. The Company shall be responsible only for the installation, operation and maintenance of its services. The responsibility of the Company shall be limited to the provision of services under this Tariff and to the maintenance and operation of such services in a proper manner.

D. The Company will, for maintenance purposes, test its services only to the extent necessary to detect and/or clear troubles and will not perform a complete technical parameter verification when not deemed necessary by the Company.

E. Services are provided 24 hours daily, seven days per week except as set forth in applicable sections of this Tariff for temporary suspension of service.

2.1.2 Limitations

A. The IC may not assign or transfer the use of services provided under this Tariff, except as provided herein. Where there is no interruption of use or relocation of the services, such assignment or transfer may be made to:

1. Another IC, whether an individual, partnership, association or corporation, provided the assignee or transferee assumes all outstanding indebtedness for such services, and the unexpired portion of the minimum period and the termination liability applicable to such services, if any; or
2. A court appointed receiver, trustee or other person acting pursuant to law in bankruptcy, receivership, reorganization, insolvency, liquidation or other similar proceedings, provided the assignee or transferee assumes the unexpired portion of the minimum period and the termination liability applicable to such services, if any.

In all cases of assignment or transfer, the written acknowledgement of the Company is required prior to such assignment or transfer. Such acknowledgement shall be made within 15 days from the receipt of notification. All regulations and conditions contained in this Tariff shall apply to such assignee or transferee.

The assignment or transfer of services does not relieve or discharge the assignor or transferor from remaining jointly or severally liable with the assignee or transferee for any obligations existing at the time of the assignment or transfer.

B. The use and restoration of services shall be in accordance with Part 64, Subpart D, Appendix A, of the Federal Communications Commission's Rules and Regulations, which specifies the priority system for such activities.

C. Subject to compliance with the rules mentioned in B. preceding, where a shortage of facilities or equipment exists at any time, either for temporary or protracted periods, the services offered herein will be provided to ICs on a first come, first served basis.

2. GENERAL REGULATIONS (CONT'D)

2.1 Undertaking of the Company (Cont'd)

2.1.3 Liability

A. The Company's liability, if any, for its willful misconduct is not limited by this Tariff. With respect to any other claim or suit, by an IC, End User or by any others, for damages associated with the installation, provision, termination, maintenance, repair or restoration of service, and subject to the provisions of B. through H. following, the Company's liability, if any, shall not exceed an amount equal to the proportionate charge for the service for the period during which the service was affected. This liability for damages shall be in addition to any amounts that may otherwise be due the IC or end user under this Tariff as a Credit Allowance for a Service Interruption.

B. No carrier furnishing a portion of a service shall be liable for any act or omission of any other carrier furnishing a portion of that service.

C. The Company is not liable for damages associated with service or facilities which it does not furnish.

D. The Company is not liable for damages to the IC terminal location or end user's premises resulting from the furnishing of a service, including the installation and removal of equipment and associated wiring, unless the damage is caused by the Company's negligence.

E. The Company shall be indemnified, defended and held harmless by the end user against any claim, loss or damage arising from the use of services offered under this Tariff, involving:

1. Claims for libel, slander, invasion of privacy, or infringement of copyright arising from any communications;
2. Claims for patent infringement arising from combining or using the service furnished by the Company in connection with facilities or equipment furnished by the IC or end user or;
3. All other claims arising out of any act or omission of the end user in the course of using services provided pursuant to this Tariff.

F. The Company does not guarantee or make any warranty with respect to its services when used in an explosive atmosphere. The Company shall be indemnified, defended and held harmless by the IC or end user from any and all claims by any person relating to the services so provided.

G. No license under patents (other than the limited license to use) is granted by the Company or shall be implied or arise by estoppel, with respect to any service offered under this Tariff. The Company will defend the IC or end user against claims of patent infringement arising solely from the use by the IC or end user of services offered under this Tariff and will indemnify such IC or end user for any damages awarded based solely on such claims.

H. The Company's failure to provide or maintain services under this Tariff shall be excused by labor difficulties, governmental orders, civil commotions, criminal actions taken against the Company, acts of God and other circumstances beyond the Company's reasonable control, subject to the Credit Allowance for Service Interruptions as set forth in 2.4.4 following.

I. Should any federal, state or local jurisdiction determine that sales, use, gross receipts or any other taxes (including interest, penalties and surcharges thereon) are due by the Company as a result of the Company's purchase of accounts receivable, the Company will advise the IC and the IC shall be liable for any such tax, interest, penalties and surcharge, and the IC shall immediately reimburse the Company the amount of such tax, interest, penalties and surcharge paid by the Company. If the IC disagrees with the Company's determination that any taxes are due by the Company or disagrees with an assessment of any tax, penalty, surcharge and interest due by the Company as a result of the Company's purchase of accounts receivable, the IC shall, at its option and expense (including immediate payment of any such assessment), have the right to seek a ruling as to the inapplicability of any such tax or to protest any assessment and participate in any legal challenge to such assessment, but shall be liable for any tax, penalty, surcharge and interest ultimately determined to be due.

2. GENERAL REGULATIONS (CONT'D)

2.1 Undertaking of the Company (Cont'd)

2.1.4 Provision of Services

The Company, to the extent that such services are or can be made available with reasonable effort, and after provision has been made for the Company's telephone exchange services, will provide to the IC upon reasonable notice services offered in other applicable sections of this Tariff at rates and charges specified therein.

2.1.5 Installation and Termination of Services

The services provided under this Tariff (a) will include any entrance cable or drop wiring and wire or intra-building network cable to that point where provision is made for termination of the Company's outside distribution network facilities at a location of minimum penetration inside of the IC terminal location or End User premises and, (b) will be installed by the Company to such point of termination. This point of termination is defined as the Point of Interface at the IC terminal location and the Network Interface at the End User premises.

2.1.6 Maintenance of Services

The services provided under this Tariff shall be maintained by the Company. The IC or others may not rearrange, move, disconnect, remove or attempt to repair any facilities provided by the Company except with the written consent of the Company. The IC shall maintain all facilities provided by it. The Company shall not be responsible to end users for end-to-end service of which the services provided under this Tariff are part.

2.1.7 Changes and Substitutions

The Company may, where such action is reasonably required in the operation of its business:

A. Substitute, change or rearrange any facilities used in providing service under this Tariff, including but not limited to:

1. Substitution of different metallic facilities,
2. Substitution of carrier or derived facilities for metallic facilities, used to provide other than metallic facilities, and
3. Substitution of metallic facilities for carrier or derived facilities used to provide other than metallic facilities,

B. Change minimum protection criteria,

C. Change operating or maintenance characteristics of facilities, or,

D. Change operation or procedures of the Company.

In case of any such substitution, change or rearrangement, the transmission parameters will be within the range as set forth in 6. and 7. following. The Company shall not be responsible if any such substitution, change or rearrangement renders any IC furnished services obsolete or requires modification or alteration thereof or otherwise affects their use or performance. If such substitution, change or rearrangement materially affects the operating characteristics of the facility, the IC will be given adequate notice in writing. Reasonable time will be allowed for any redesign and implementation required by the change in operating characteristics.

2. GENERAL REGULATIONS (CONT'D)

2.1 Undertaking of the Company (Cont'd)

2.1.8 Refusal and Discontinuance of Service

A. Unless the provisions of 2.2.2.B following apply, if the IC or End User fails to comply with the provisions of this Tariff, including any payments to be made by it on the dates and times herein specified, the Company may, on ten (10) days written notice of noncompliance, refuse additional applications for service and/or choose to complete any pending orders for service at any time thereafter. If the Company does not refuse additional applications for service on the date specified in the ten (10) day notice, and the IC's or End User's noncompliance continues, nothing contained herein shall preclude the Company's right to refuse additional applications for service without further notice.

B. Unless the provisions of 2.2.2.B following apply, if the IC or End User fails to comply with the provisions of this Tariff, including any payments to be made by it on the dates and times herein specified, the Company may, on twenty (20) days written notice, discontinue the provision of the services involved at any time thereafter. In the case of such discontinuance, all applicable charges, including termination charges, shall become due. If the Company does not discontinue the provision of the services involved, on the date specified in the twenty (20) day notice, and the IC's or End User's noncompliance continues, nothing contained herein shall preclude the Company's right to discontinue the provision of the services involved without further notice.

2.1.9 Quotation Charge

A nonrecurring charge for the preparation of a quotation applies whenever an IC requests an estimate of rates and charges for any service for which the rates and charges are determined on an individual case basis prior to placing an order for service. The charge includes the costs associated with the development and preparation of the quotation. A bill for the quotation preparation will be rendered. The quotation is valid for 90 days and will identify all estimated costs associated with the provision of the facilities needed to satisfy the IC's service requirements. Within this 90 day period, if the IC orders the service as quoted and service is subsequently provided, the Quotation Charge will be credited to the IC's account. If the IC cancels the request for a quotation prior to its completion, the IC will be billed for the costs incurred, for quotation preparation, through the cancellation date.

2.1.10 Limitation of Use of Metallic Facilities

Except for ground start, duplex (DX) type signaling, metallic facilities shall not be used for ground return or split pair operation. Signals applied to the metallic facility shall be voice or sub-voice in nature and shall conform to the limitations set forth in 2.5.10 following. In the case of application of dc telegraph signaling systems, the IC shall be responsible, at its expense, for the provision of current limiting devices to protect the Company facilities from excessive current due to abnormal conditions and for the provision of noise mitigation networks when required to reduce excessive noise.

2.1.11 Notification of Service-Affecting Activities

The Company intends to provide the IC timely notification of service-affecting activities, as set forth in 2.3.12 following.

2.1.12 Coordination with Respect to Network Contingencies

The Company intends to work cooperatively with the IC to develop network contingency plans in order to maintain maximum network capability following natural or man-made disasters which affect telecommunications services.

2. GENERAL REGULATIONS (CONT'D)

2.1 Undertaking of the Company (Cont'd)

2.1.13 Provision and Ownership of Telephone Numbers

The IC and the End User have no property rights to telephone number assignments or any other call number designations associated with Access Services. The Company reserves the right to assign, designate or change such numbers, or the Company serving central office prefixes associated with such numbers, when reasonably necessary in the conduct of its business.

2. GENERAL REGULATIONS (CONT'D)

2.2 Use

2.2.1 Purpose

A. Services provided under this Tariff shall be used by the IC for its own use or in furnishing its authorized intrastate services to End Users and for operational purposes directly related to the furnishing of the IC's authorized services. Operational purposes include testing and maintenance of circuits, demonstration and experimental services and spare services. Telephone exchange services required by the IC for its administrative use are furnished under the Company's General Subscriber Service Tariff.

B. Where facility conditions permit, the IC may use the entire transmission capability of a service provided under this Tariff as a single channel or create additional communication channels within or below the voice frequency band, except that the IC may not create additional communication channels from video cable facilities or audio facilities other than duplexing associated audio signals on the video cable facility. The Company does not warrant that its facilities and services meet standards other than those set forth in this Tariff.

2.2.2 Interference or Impairment

A. The characteristics and methods of operation of any circuits, facilities or equipment provided by other than the Company and associated with the facilities utilized to provide services under this Tariff shall not interfere with or impair service over any facilities of the Company, its affiliated companies, or its connecting and concurring carriers involved in its services, cause damage to their plant, impair the privacy of any communications carried over their facilities or create hazards to the employees of any of them or the public.

B. If such characteristics or methods of operation are not in accordance with A. preceding, the Company will, where practicable, notify the IC or end user that temporary discontinuance of the use of a service may be required; however, where prior notice is not practicable, nothing contained herein shall be deemed to preclude the Company's right to temporarily discontinue forthwith the use of a service if such action is reasonable under the circumstances. In case of such temporary discontinuance, the IC or end user will be promptly notified and afforded the opportunity to correct the condition which gave rise to the temporary discontinuance. During such period of temporary discontinuance, credit allowance for service interruptions as set forth in 2.4.4 following is not applicable.

2.2.3 Unlawful Use

The service provided under this Tariff shall not be used for an unlawful purpose.

2.3 Obligations of the IC

2.3.1 Damages

The IC shall reimburse the Company for damages to Company facilities utilized to provide services under this Tariff caused by the negligence or willful act of the IC or an end user while using the services of the IC, or resulting from improper use of the Company facilities, or due to malfunction of any facilities or equipment provided by other than the Company. The Company will, upon reimbursement for damages, cooperate with the IC in prosecuting a claim against the person causing such damage and the IC shall be subrogated to the right of recovery by the Company for the damages to the extent of such payment.

2.3.2 Ownership of Facilities and Theft

Facilities utilized by the Company to provide service under the provisions of this Tariff shall remain the property of the Company. Such facilities shall be returned to the Company by the IC or end user, whenever requested, within a reasonable period following the request in as good condition as reasonable wear will permit.

The IC shall reimburse the Company for any loss through theft of facilities utilized to provide services under this Tariff at the IC terminal location or at the end user's premises.

2. GENERAL REGULATIONS (CONT'D)

2.3 Obligations of the IC (Cont'd)

2.3.3 Equipment Space and Power

The IC shall furnish or arrange to have furnished to the Company, at no charge, equipment space and electrical power required by the Company to provide services under this Tariff at the points of termination of such services. The selection of ac or dc power shall be mutually agreed to by the IC and the Company. The IC shall also make necessary arrangements in order that the Company will have access to such spaces at reasonable times for installing, testing, inspecting, repairing or removing Company services. Equipment space and power furnished or arranged to be furnished by the IC shall not be used in the provision of service to any other IC or end user.

2.3.4 Additional Facilities and Protective Apparatus

The IC shall bear the cost, if any, of such additional facilities or protective apparatus which, according to accepted telecommunications industry standards, are required to be installed because of the particular use or hazardous location of the services provided under this Tariff. Rates and/or charges, if applicable, will be developed on an individual case basis and filed in 12. following.

2.3.5 Inspection of Facilities and Protective Apparatus

The IC and End User shall allow the Company to inspect at reasonable times any facilities or equipment provided by other than the Company required in accordance with 2.3.4 preceding and 2.5 following which are associated with the services provided under this Tariff to determine if such installation complies with such Company requirements.

2.3.6 Availability for Testing

The services provided under this Tariff shall be available to the Company at times mutually agreed upon in order to permit the Company to make tests and adjustments appropriate for maintaining the services in satisfactory operating condition. Such tests and adjustments shall be completed within a reasonable time. No credit will be allowed for any interruptions involved during such tests and adjustments.

2.3.7 Balance

All signals for transmission over the services provided under this Tariff shall be delivered by the IC balanced to ground except for ground start, duplex (DX) type signaling and dc telegraph transmission at speeds of 75 baud or less.

2.3.8 Design of IC Services

Subject to the provisions of 2.1.7 preceding, the IC shall be solely responsible, at its own expense, for the overall design of its services and for any redesigning or rearrangement of its services which may be required because of changes in facilities, operations or procedures of the Company, minimum protection criteria or operating or maintenance characteristics of the facilities.

2.3.9 References to the Company

The IC may advise the end user that certain services are provided by the Company in connection with the service the IC furnishes to its end users; however, the IC shall not represent that the Company jointly participates in the IC's services.

2.3.10 Contacts with IC Customers (End Users)

The IC shall be responsible for all contacts and arrangements with end users concerning the provision and maintenance of, except as set forth 13. following, for Presubscription.

2. GENERAL REGULATIONS (CONT'D)

2.3 Obligations of the IC (Cont'd)

2.3.11 Claims and Demands for Damages

A. With respect to claims of patent infringement made by third persons, the IC shall defend, indemnify, protect and save harmless the Company from and against all claims arising out of the combining with, or use in connection with, the services provided under this Tariff, any circuit, apparatus, system or method provided by the IC or end users.

B. The IC shall defend, indemnify and save harmless the Company from and against any suits, claims, losses or damages, including punitive damages, Attorney's fees and court costs by third persons arising out of the construction, installation, operation, maintenance, or removal of the IC's circuits, facilities, or equipment connected to the Company's services provided under this Tariff including, without limitation, Workmen's Compensation claims, actions for infringement of copyright and/or unauthorized use of program material, libel and slander actions based on the content of communications transmitted over the IC's circuits, facilities or equipment, and proceedings to recover taxes, fines, or penalties for failure of the IC to obtain or maintain in effect any necessary certificates, permits, licenses, or other authority to acquire or operate the services provided under this Tariff; provided, however, the foregoing indemnification shall not apply to suits, claims, and demands to recover damages for damage to property, death, or personal injury unless such suits, claims or demands are based on the tortuous conduct of the IC, its officers, agents or employees.

C. The IC shall defend, indemnify and save harmless the Company from and against any suits, claims, losses or damages, including punitive damages, attorney's fees and court costs by the IC or third persons arising out of the Company provision of Billing Analysis Services or any other service under this Tariff at the request of the IC, including, but not limited to claims for libel, slander, invasion of privacy, conversion and trespass.

D. The IC shall defend, indemnify and save harmless the Company from and against any suits, claims, losses or damages, including punitive damages, attorney fees and court costs by the IC or third parties arising out of any act or omission of the IC in the course of using services provided under this Tariff.

2.3.12 Notification of Service-Affecting Activities

A. The IC shall provide the Company timely notification of the following:

1. Planned or unplanned outages of IC facilities which will affect the Company's capability to provide adequate service for anticipated traffic volumes,
2. Facility failures within the IC network which will adversely impact upon the Company's capability to provide adequate service for anticipated traffic volumes, and,
3. IC marketing activities designed to generate rapid or short-term increases in anticipated traffic volumes.

B. This timely notification will enable the Company to administer its network as set forth in 6.4.1 following.

2.3.13 Coordination with Respect to Network Contingencies

The IC shall, in cooperation with the Company, coordinate in planning the actions to be taken to maintain maximum network capability following natural or man-made disasters which affect telecommunications services.

2.3.14 Jurisdictional Report Requirements

A. Jurisdictional Reports

1. When an IC initially orders Feature Group A (FGA), Feature Group B (FGB), 500, 800, and/or 900, Switched Access Service, the IC shall state in its order, the Percent Interstate Usage (PIU). Additionally, upon employing the use of the 700 service Access Code over Feature Groups C or D Switched Access Services, the IC must provide the Company the PIU for the 700 calls. The IC shall report the PIU on a statewide, LATA or billing account number level (at the option of the IC). The report should be on a local exchange company specific basis.

2. GENERAL REGULATIONS (CONT'D)

2.3 Obligations of the IC (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont'd)

A. Jurisdictional Reports (Cont'd)

1. (Cont'd)

   Each quarter the IC shall furnish to the Company a report of the PIU for FGA, FGB, 500, 700, 800 and 900 Switched Access Service on a statewide, LATA or billing account number level (at the option of the IC). The report should be on a local exchange company specific basis.

   The IC shall compute the PIU using the following formula (rounded to a whole percentage).

$$\frac{\text{Total Interstate Originating Minutes} + \text{Total Interstate Terminating Minutes}}{\text{Total Originating Minutes} + \text{Total Terminating Minutes}}$$

   a. The intrastate usage is to be developed as though every call that originates within the same state as that in which the called station (as designated by the called station number) is situated is an intrastate communication and every call for which the point of origination is in a state other than that where the called station (as designated by the called number) is situated is an interstate communication.

   b. When the IC computes the PIU, it shall subtract the developed percentage from 100 and the difference is the percent intrastate usage. The sum of the interstate and intrastate percentages shall equal 100 percent.

2. Feature Group A and B Switched Access Service usage charges for single FGA lines or FGB trunks will be apportioned by the Company between interstate and intrastate. The projected interstate percentage reported as set forth in 1. preceding will be used to make the apportionment.

3. For multiline hunt group or trunk group arrangements where either the interstate or the intrastate charges are based on measured usage, the intrastate Feature Group A and/or Feature Group B Switched Access Service(s) information reported will be used to determine the charges as follows:

   a. For all groups, the number of access minutes (either the measured minutes or the assumed minutes) for a group will be multiplied by the projected interstate percentage to develop the interstate access minutes. The number of access minutes for the group minus the projected interstate access minutes for the group will be the developed intrastate access minutes.

2. GENERAL REGULATIONS (CONT'D)

2.3 Obligations of the IC (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont'd)

A. Jurisdictional Reports (Cont'd)

4. When an IC initially orders Feature Group D Switched Access Service, the IC shall state in its order the PIU. When an IC orders Feature Group C or Feature Group D Switched Access Service(s), 500 Access Service, 800 Access Service, or 900 Access Service, the Company, where the jurisdiction can be determined from the call detail, will determine the intrastate percentages as follows. For originating access minutes, the intrastate percentage will be developed on a monthly basis by end office when the Feature Group C or Feature Group D Switched Access Service, 500 Access Service, 800 Access Service or 900 Access Service access minutes are measured by dividing the measured intrastate originating access minutes by the total originating access minutes when the call detail is adequate to determine the appropriate jurisdiction. For terminating access minutes, the data used by the Company to develop the intrastate percentage for originating access minutes will be used to develop the intrastate percentage for such terminating access minutes. When originating call details are insufficient to determine the jurisdiction for the call, the IC shall supply the intrastate percentage or authorize the Company to use the Company developed percentage. This percentage shall be used by the Company as the intrastate percentage for such call detail. The Company will designate the number obtained by subtracting the intrastate percentage for originating and terminating access minutes calculated by the Company from 100 (100 - Company calculated projected intrastate percentage = interstate percentage) as the projected interstate percentage of use.

   When an IC employs the use of the 700 NXX code over Feature Group C or Feature Group D switched access, the IC must provide the Company with the projected percentage of interstate use for the 700 calls made. The remaining percentage will be the assumed intrastate percentage.

2. GENERAL REGULATIONS (CONT'D)

2.3 Obligations of the IC (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont'd)

A. Jurisdictional Reports (Cont'd)

5. Effective on the first of January, April, July and October of each year the IC shall update the interstate and intrastate jurisdictional report. The IC shall forward to the Company, to be received no later than thirty days after the first of each such month, a revised report for all services showing the interstate percentage of use for the past three months ending the last day of December, March, June and September, respectively, for each service arranged for interstate use. The revised report will serve as the basis for the next three months' billing and will be effective on the bill date for that service. If an IC does not supply an updated quarterly report, the Company will assume the percentage interstate usage to be the same PIU as provided in the last quarterly report accepted by the Company. If an audit has been completed and an updated quarterly report has not been submitted subsequent to the audit, the Company will assume the PIU factors to be the most recent audited results. For those cases in which quarterly reports have never been received from the IC, the Company will assume the PIU factors to be the most recent audit results or to be the same as provided in the order for service if no audit has been performed.
6. The jurisdictional report will serve as the basis for all future billing except as provided in B. following, and will be effective on the next bill date.
7. When mixed interstate and intrastate Special Access Service is provided, the jurisdiction will be determined as follows:

   -If the IC's estimate of the interstate traffic on the service involved constitutes ten percent or less of the total traffic on that service, the service will be provided in accordance with the applicable rules and regulations of this Tariff.

   -If the IC's estimate of the interstate traffic on the service involved constitutes more than ten percent of the total traffic on that service, the service will be provided in accordance with the applicable rules and regulations of the applicable Interstate Tariff.

   The IC shall keep records from which the percentage of interstate and intrastate use was estimated and upon request of the Company make the records available for inspection as reasonably necessary for purposes of verification of the percentages. The IC shall supply the data within thirty days of the Company request.

B. Jurisdictional Report Verification

1. When an IC provides a projected interstate usage percent as set forth in A. preceding, or when a billing dispute arises or a regulatory commission questions the projected interstate percentage for Switched Access, the Company may, by written request, require the IC to provide the data the IC used to determine the projected interstate percentage. This written request will be considered the initiation of the audit. The IC shall supply the data to an independent auditor within thirty days of the Company request. The IC shall keep records of call detail from which the percentage of interstate and intrastate use can be ascertained as set forth in C. following and upon request of the Company make the records available for inspection at an agreed upon location during normal business hours as reasonably necessary for purposes of verification of the percentages. The Company will audit data from one quarter unless a longer period is requested by the IC and agreed to by the Company. Changes to the reported PIU will not be made for the test period. If the IC does not provide the requested data to the Company or independent auditor within thirty (30) days of the notice of audit, the IC will be in violation of this Tariff and subject to 2.1.8 preceding.

2. GENERAL REGULATIONS (CONT'D)

2.3 Obligations of the IC (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont'd)

A. Jurisdictional Report Verification (Cont'd)

2. For Switched Access Service, verification audits may be conducted no more frequently than once per year except in extreme circumstances. The Company and IC will attempt to limit the audit to a reasonable time to effectively complete the audit. The Company and IC shall respond promptly to requests generated during the audit to ensure timely completion of the audit.

   The Company will work cooperatively with other local exchange companies to develop joint audits of an IC in an effort to limit an IC's total state PIU audit to one per year.

3. Audits may be conducted by: (a) an independent auditor under contract to the Company; (b) a mutually agreed upon independent auditor; or (c) an independent auditor selected and paid for by the IC. If the IC selects option (c), where it pays for its own independent audit, the selected auditor must certify that the audit was performed following FCC procedures for measuring interstate and intrastate traffic as established by Commission Orders, and provide to the Company a report with supporting documentation to verify such procedures.
4. If a billing dispute arises or a regulatory commission questions the jurisdiction classification for Special Access Service, the Company will ask the IC to provide the data the IC uses to determine the projected interstate percentage. The IC shall supply the data to an independent auditor within thirty days of the Company request. The IC shall keep records from which the percentage was determined and upon request of the Company make the records available for inspection as reasonably necessary for purposes of verification of the percentages.

C. Maintenance of IC Records

1. The IC and Reseller shall retain for a minimum of six months, call detail records, that substantiate the percentage data provided to the Company as set forth in A. preceding for Switched Access Service. Such records shall consist of a. and b. (if applicable,) following:

   a. All call detail records, such as workpapers and/or backup documentation (including paper, magnetic tapes, or any form of records for billed IC traffic call information including call terminating address (i.e., called number), the call duration, all originating and terminating trunk groups or access lines over which the call is routed, and the point at which the call enters the IC's network), and

   b. If the IC has a mechanized system in place that calculated its PIU, then a description of that system and the methodology used to calculate the PIU must be furnished and any other pertinent information (such as but not limited to flowcharts, source code, etc.) relating to such system must also be made available.

D. Audit Results for Switched Access

1. Audit results will be furnished to the IC via Certified U.S. Mail (return receipt requested.) The Company will adjust the IC's PIU based upon the audit results. The PIU resulting from the audit shall be applied to the usage for the quarter the audit was completed, the usage for the quarter prior to completion of the audit, and to the usage for the two (2) quarters following the completion of the audit. After that time, the IC may report a revised PIU pursuant to A. preceding. If the revised PIU submitted by the IC represents a deviation of five percentage points or more from the audited PIU, and that deviation is not due to identifiable reasons, the provisions in B. preceding will be applied.

2. GENERAL REGULATIONS (CONT'D)

2.3 Obligations of the IC (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont'd)

D. Audit Results for Switch Access (Cont'd)

2. Both credit and debit adjustments will be made consistent with 2.4.1 to the IC's interstate and intrastate access charges for the specified period to accurately reflect the usage for the IC's account.
3. If, as a result of an audit conducted by an independent auditor, under contract to the Company, an IC is found to have overstated the PIU by twenty percentage points or more, the Company shall require reimbursement from the IC for the cost of the audit. The bills for the cost of the audit shall be due and paid in immediately available funds thirty days from receipt of such bills. Failure to pay within thirty days will result in the assessment of a late payment charge as set forth in 2.4.1.B. following.

E. Contested Audits

1. When a PIU audit is conducted by an independent auditor selected by the Company, the audit results will be furnished to the IC by Certified U.S. Mail (return receipt requested). The IC may contest the audit results based on substantive cause by providing written notification, by Certified U.S. Mail (return receipt requested), to the Company within thirty (30) calendar days from the date the audit report is furnished to the IC by Certified U.S. Mail. When a PIU audit is conducted by an independent auditor selected by the IC, the audit results will be furnished to the Company by Certified U.S. Mail (return receipt requested). The Company may contest the audit results by providing written notification, by Certified U.S. Mail (return receipt requested), to the IC within thirty (30) calendar days from the date the audit report is furnished to the Company by Certified U.S. Mail.
2. Contested audits may be resolved by a neutral arbitrator mutually agreed upon by the Company and the IC. Arbitration is an option provided in addition to the IC's existing right to file a complaint or legal action in a court of law or at the Commission for resolution of the dispute. The arbitration hearing will be conducted in a state or location within the Company operating territory where the IC maintains a principle or significant presence as mutually agreed upon by both parties, or a state and location within the Company operating territory that is mutually agreed upon by both parties. The arbitration proceeding shall be governed by the law (both statutory and case) of the state in which the arbitration hearing is held, including, but not limited to, the Uniform Arbitration Act, as adopted in that state. The arbitration shall determine the IC's PIU based on A. preceding.
3. Prior to the arbitration hearing, each party shall notify the arbitrator of the PIU percentage which that party believes to be correct. The arbitrator, in deciding, may adopt the PIU percentage of either party or may adopt a PIU percentage different from those proposed by the parties. If the arbitrator adopts a PIU percentage proposed by one of the parties, the other party (whose PIU percentage was not adopted) shall pay all costs of the arbitration. If the arbitrator adopts a PIU percentage higher than either of the PIU percentages proposed by the parties, then the party proposing the lower PIU percentage shall pay all costs of the arbitration. If the arbitrator adopts a PIU percentage lower than either of the PIU percentages proposed by the parties, then the party proposing the higher PIU percentage shall pay all costs of the arbitration. If the arbitrator adopts a PIU percentage which falls between the two percentages adopted by the parties, then the parties shall each pay one-half of the arbitration costs.
4. Absent written notification, within the time frame noted preceding, the IC must comply with the provisions set forth in D. preceding. If the IC fails to comply with these provisions, the Company may refuse additional applications for service and/or refuse to complete any and all pending orders for service or may discontinue the provision of the services to the IC as specified in 2.1.8 preceding.

2. GENERAL REGULATIONS (CONT'D)

2.3 Obligations of the IC (Cont'd)

2.3.15 Determination of Intrastate Charges for Mixed Interstate and Intrastate Switched Access Service

A. When mixed interstate and intrastate Switched Access Service is provided, all charges (i.e., nonrecurring, monthly and/or usage) including optional feature charges, will be prorated between interstate and intrastate. The percentage provided in the reports as set forth in 2.3.14.A preceding will serve as the basis for prorating the charges. The percentage of a Switched Access Service to be charged as intrastate is applied in the following manner:

1. For monthly and nonrecurring chargeable rate elements, multiply the percent intrastate use times the quantity of chargeable elements times the stated tariff rate per element.
2. For usage sensitive (i.e., access minutes and calls) chargeable rate elements, multiply the percent intrastate use times the actual use (i.e., measured or Company assumed average use) times the stated tariff rate.

The intrastate percentage will change as revised jurisdictional reports are submitted as set forth in 2.3.14 preceding.

2.3.16 Trouble Determination

A. The IC shall be responsible for receiving trouble reports from its end users and determining, by testing or other means if the source of trouble is caused by the equipment or facilities provided by the IC, its end user, or by the Company.

B. When more than one Company service is used to provide service to an IC, the IC is responsible for determining which service provided by the Company is causing the reported trouble.

C. The IC shall be responsible for payment of Maintenance of Service Charges as set forth in 13.3.1 and 22.5.3 following when reporting trouble to the Company and the obligations in A. and B. preceding are not met.

2. GENERAL REGULATIONS (CONT'D)

2.3 Obligations of the IC (Cont'd)

2.3.17 Identification and Rating of Toll VoIP-PSTN Traffic

A. Scope

VoIP-PSTN Traffic is defined as traffic exchanged between a Company end user and the customer in Time Division Multiplexing ("TDM") format that originates and/or terminates in Internet Protocol ("IP") format. This section governs the identification of Toll VoIP-PSTN Traffic that is required to be compensated at interstate access rates, unless the parties have agreed otherwise, by the Federal Communications Commission in its Report and Order in WC Docket Nos. 10-90, etc., FCC Release No. 11-161 (November 18, 2011)("FCC Order"). Specifically this section establishes the method of separating Toll VoIP-PSTN Traffic from the customer's traditional intrastate access traffic, so that Toll VoIP-PSTN Traffic can be billed in accordance with the FCC Order.

B. Toll VoIP-PSTN Traffic identified in accordance with this tariff section will be billed at rates as follows:

1. Effective July 13, 2012, the applicable rate elements used in providing originating access for intrastate Toll VoIP-PSTN Traffic and associated facilities will be billed according to intrastate switched access rates. Terminating access for intrastate Toll VoIP-PSTN Traffic and associated facilities will be billed according to interstate switched access rates.
2. Effective July 1, 2014, the applicable rate elements used in providing originating and terminating access for intrastate Toll VoIP-PSTN Traffic and associated facilities will be billed according to interstate switched access rates.

C. Calculation and Application of Percent-VoIP-Usage Factors

Company will determine the number of Toll VoIP-PSTN Traffic minutes of use ("MOU") and facility rate elements to which interstate rates will be applied under (B) preceding, by applying a Percent VoIP Usage ("PVU") factor to the total intrastate access MOU exchanged and facilities between the Company and the customer. The PVU factors will be derived and applied as follows:

1. The customer will calculate and furnish to the Company a factor (the "PVUC"), delineated by Carrier Identification Code ("CIC") or Operating Company Numbers ("OCNs"), along with supporting documentation representing the percentage (whole number) of the total intrastate access MOU that the customer exchanges with the Company end users in the state which (a) is sent to the Company that originated in IP format at the end user, or (b) is received from the Company and terminated in IP format at the end user. This PVUC shall be based on information such as number of the customer's retail VoIP subscriptions in the state (e.g. as reported on FCC Form 477), traffic studies, actual call detail, or other relevant and verifiable information satisfactory to the Company.
2. If applicable, the Company will calculate and periodically update a factor (the "PVUT") representing the percentage (whole number of the total intrastate access MOU that the Company exchanges with the customer's end users in the state which (a) is sent to the customer that originated in IP format at the end user, or (b) is received from the customer and terminated in IP format at the end user. This PVUT shall be based on information such as the number of the Company's retail VoIP subscriptions in the state (e.g.,as reported on FCC Form 477), traffic studies, actual call detail or other relevant and verifiable information.

2. GENERAL REGULATIONS (CONT'D)

2.3 Obligations of the IC (Cont'd)

2.3.17 Identification and Rating of Toll VoIP-PSTN Traffic (Cont'd)

C. Calculation and Application of Percent-VoIP-Usage Factors (Cont'd)

3. The Company will develop a customer Percent VoIP Usage ("PVU") factor combining the customer's PVUC factor with the Company's PVUT factor.

   a. The PVU calculation below is applied when the Company does not bill based on actual call detail records for the Company's IP traffic at interstate rates.

      PVU = PVUC + [PVUT x (1-PVUC)] applied to the Company's end user's total intrastate MOU and facility rate elements

      Example: The customer reported that their PVUC as 40%. The Company's PVUT is 10%. This results in the following: PVU = 40% plus (10% times (1-40%)) = 46%

      This means that 46% of the Intrastate MOU exchanged between the customer and the Company's end users will be rated at Interstate rates.

   b. The PVU calculation below is applied when the Company bills are based on the actual call detail records for the intrastate Company's IP traffic at interstate rates.

      PVU = PVUC x (1-PVUT) applied to the Company's TDM end users' total intrastate MOU.

      PVU = PVUC + [PVUT x (1-PVUC)] applied to the facility rate elements.

      Example: The Company has identified that there was 10,500 intrastate MOU that were identified exchanged between the customer and the Company's IP end users. The customer reported that their PVUC as 40%. The Company's PVUT is 10%. This results in the following:

      PVU = 40% times (1-10%) = 36%

      This means that 36% of the Intrastate MOU exchanged between the customer and the Company's TDM end users will be rated at interstate rates and the intrastate 10,500 MOU will also be rated at interstate rates.

      For the facility rate elements, the formula that is applied to the intrastate dedicated facilities is as follows:

      PVU = 40% plus (10% times (1-40%)) = 46%

      Therefore, 46% of the intrastate facilities will be rated at interstate rates.

4. The customer shall not modify their reported PIU factor to account for Toll VoIP-PSTN traffic.
5. The Company and the customer shall retain the call detail, work papers and information used to develop the PVU factors for a minimum of one year.
6. If the customer does not furnish the Company with its initial PVUC factor, along with the relevant and verifiable supporting documentation described above, the Company will utilize PVUC factors equal to zero.

D. Initial Implementation of PVU Factors

1. If the PVU factor is not available and/or cannot be implemented in the Company's billing system by December 29, 2011, once the factor is available and can be implemented in the Company's billing system, the Company will adjust the customer's bill to reflect the PVU factors as of December 29, 2011. In calculating the initial PVU factors, the Company will employ the customer specified PVUC retroactively to December 29, 2011, provided that the customer provides the factor to the Company no later than April 15, 2012. Otherwise, it will set the initial PVU factors as specified in Subsection C. 6. above. .
2. The Company may choose to provide credits based on the PVU factors on a quarterly basis until such time as the billing system modifications can be implemented.

2. GENERAL REGULATIONS (CONT'D)

2.3 Obligations of the IC (Cont'd)

2.3.17 Identification and Rating of Toll VoIP-PSTN Traffic (Cont'd)

E. PVUC Factor Updates

The customer may update the PVUC factors quarterly using the method set forth in (C) (1), (2), (3) and (4) preceding. If the customer chooses to submit such updates, it shall forward to the Company, no later than 15 days after the first of January, April, July and/or October of each year, revised PVUC factors based on data for the prior three months, ending the last day of December, March, June and September, respectively. The revised PVU factors calculated by the Company, will serve as the basis for future billing and will be effective on the next bill date, and shall serve as the basis for subsequent monthly billing until superseded by new PVU factors. No prorating or back billing will be done based on the updated PVU factors.

F. PVU Factor Verification

1. Not more than twice in any year, the Company may request from the customer an overview of the process used to determine the PVUC factors, the call detail records, description of the method for determining how the end user originates or terminates calls in IP format, and other information used to determine the customer's PVUC factors furnished to the Company in order to validate the PVUC factors supplied. The customer shall comply, and shall reasonably supply the requested data and information within 15 days of the Company's request.
2. The Company may dispute the customer's PVUC factor based upon:
   a. A review of the requested data and information provided by the customer.
   b. The Company's reasonable review of other market information, FCC reports on VoIP lines, such as FCC Form 477 or state level results based on FCC Local Competition Report or other relevant data.
   c. A change in the reported PVUC factor by more than five percentage points from the preceding quarter.
3. If after review of the data and information, the customer and the Company establish revised PVU factors, the customer and the Company will begin using those revised PVU factors with the next bill period.
4. If the dispute is unresolved, the Company may initiate an audit. The Company shall limit audits of the customer's PVUC factor to no more than twice per year. The customer may request that the audit be conducted by a mutually agreed upon independent third party. In such cases, the associated auditing expenses will be paid by the customer.
   a. In the event that the customer fails to provide adequate records to enable the Company or independent third party to conduct an audit verifying the customer's PVUC factors, the Company will bill the usage for all contested periods using the most recent undisputed PVUC factors reported by the customer. Such PVU factors will remain in effect until the audit can be completed.
   b. During the audit, the undisputed PVUC factors from the previous reporting period will be used by the Company.
   c. The Company will adjust the customer's PVU factors based on the results of the audit and implement the revised PVU in the next billing period or quarterly report date, whichever is first. The revised PVU factors will apply for the next two quarters before new factors can be submitted by the customer.
   d. If the audit supports the customer's PVU factors, the usage for the contested periods will be adjusted to reflect the customer's audited PVU factors.

2. GENERAL REGULATIONS (CONT'D)

2.3 Obligations of the IC (Cont'd)

2.3.18 800 Number Provisioning

The provision of 800 Access Ten Digit Screening Service, provided from Section 6. following, requires the IC's subscription to basic 800 Number Service features found in Section 13. of this Tariff or as an alternative the provision of those features by other responsible organizations or through direct access by the IC to the Service Management System.

2.4 Payment Arrangements and Credit Allowances

2.4.1 Payment of Rates, Charges and Deposits

A. The Company may, in order to safeguard its interests, require an IC which has a proven history of late payments to the Company or does not have established credit with the Company to make a deposit prior to or at any time after the provision of a service to the IC to be held by the Company as a guarantee of the payment of rates and charges. No such deposit will be required of an IC which is a successor of a company which has established credit and has no history of late payments to the Company. Such deposit may not exceed the actual or estimated rates and charges for the service for a two month period. The fact that a deposit has been made in no way relieves the IC from complying with the Company's regulations as to the prompt payment of bills. At such time as the provision of the service to the IC is terminated, the amount of the deposit will be credited to the IC's account and any credit balance which may remain be refunded.

Such a deposit may be refunded or credited to the IC's account when the IC has established credit in accordance with N.C.U.C. Commission Rule R12-2, or, in any event, after the IC has established a one-year prompt payment record in accordance with N.C.U.C. Commission Rule R12-5(b), at any time prior to the termination of the provision of the service to the IC. In case of a cash deposit, for the period the deposit is held by the Company, the IC will receive simple annual interest as specified in the Company's general subscriber service tariff(s) unless a different rate has been established by the appropriate legal authority. Should a deposit be credited to the IC's account, as indicated preceding, no interest will accrue on the deposit from the date such deposit is credited to the IC's account.

B. The Company shall bill on a current basis all charges incurred by and credits due to the IC under this Tariff attributable to services, including, but not limited to, maintenance of service as set forth in 22.5.3 following, established or discontinued during the preceding billing period. In addition, the Company shall bill in advance charges for all services to be provided during the ensuing billing period except for charges associated with service usage. The bill day (i.e., the billing date of a bill for an End User or IC for Access Service under this Tariff), the period of service each bill covers and the payment due date will be as follows:

1. For services under this Tariff that are billed directly to the End User, the Company will establish a bill day each month for each end user account. The bill will cover charges applicable to the End User for the ensuing billing period. Any known unbilled charges for prior periods and any known unbilled adjustments for prior periods for the charges applicable to the End User will be applied to this bill.
2. For services provided under this Tariff that are billed directly to the IC, the Company will establish a bill day each month for each IC account. The bill will cover nonusage sensitive service charges for the ensuing billing period for which the bill is rendered, any known unbilled nonusage sensitive charges for prior periods and unbilled usage charges for the period after the last bill day through the current bill day. Any known unbilled usage charges for prior periods and any known unbilled adjustments will be applied to this bill. Payment for such bills is due as set forth in 3. following.

2. GENERAL REGULATIONS (CONT'D)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.1 Payments of Rates, Charges and Deposits (Cont'd)

B. (Cont'd)

3. All bills dated as set forth in 2. preceding for service provided to the IC by the Company are due on the payment due date. The payment due date is the date which is thirty-one days after the bill day or by the next bill date (i.e., same date in the following month as the bill date) whichever is the shortest interval, except as provided herein, and are payable in immediately available funds. If such payment due date would cause payment to be due on a Saturday, Sunday or Holiday (i.e., New Year's Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, and a day when Presidents' Day, Memorial Day or Columbus Day is legally observed), payment for such bills will be due from the IC as follows:

   If such payment due date falls on a Sunday or on a Holiday which is observed on a Monday, the payment due date shall be the first non-Holiday day following such Sunday or Holiday. If such payment due date falls on a Saturday or on a Holiday which is observed on Tuesday, Wednesday, Thursday, or Friday, the payment due date shall be the last non-Holiday day preceding such Saturday or Holiday.

   Further, if any portion of the payment is received by the Company after the payment due date as set forth preceding, or if any portion of the payment is received by the Company in funds which are not immediately available to the Company, then a late payment penalty may be due to the Company. The late payment penalty shall be the portion of the payment not received by the payment due date times a late factor of one percent per month.

4. In the event of a billing dispute, the IC must submit a documented claim for the disputed amount. If the dispute is submitted on or before the payment due date or within ninety days after the payment due date and the disputed amount is paid prior to the resolution of the dispute, any interest credits due the IC upon resolution of the dispute shall be calculated from the date of the overpayment to the resolution date. If the dispute is submitted more than ninety days after the payment due date and the disputed amount is paid prior to resolution of the dispute, any interest credits due the IC upon resolution of the dispute shall be calculated from the dispute date or the date the payment is made, whichever occurs later, to the resolution date. The Company will resolve the dispute and assess interest credits or late payment penalties to the IC as follows:

   - If the dispute is resolved in favor of the Company and the IC has paid the disputed amount on or before the payment due date, no credits or late payment penalties will apply to the disputed amount.

   - If the dispute is resolved in favor of the Company and the IC has withheld the disputed amount, any payments withheld pending settlement of the dispute shall be subject to the late payment penalty as set forth in 3. preceding.

   - If the dispute is resolved in favor of the IC and the IC has withheld the disputed amount, no credits or late payment penalties will apply to the disputed amount.

   - If the dispute is resolved in favor of the IC and the IC has paid the disputed amount, the IC will receive a credit from the Company for the disputed amount times a late factor as set forth in 3. preceding.

C. Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period set forth for services in other sections of this Tariff will be prorated based on the number of days the IC had service during the billing period times one-thirtieth (1/30th) the monthly rate. Billing for service begins on the day following the date of installation and shall accrue through and include the day service is discontinued. The Company will, upon request and if available, furnish such detailed information as may reasonably be required for verification of any bill.

D. When a rate as set forth in this Tariff is shown to more than two decimal places, the charges will be determined using the rate shown. The resulting amount will then be rounded to the nearest penny (i.e., rounded to two decimal places).

2. GENERAL REGULATIONS (CONT'D)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.1 Payments of Rates, Charges and Deposits (Cont'd)

E. When more than one copy of an IC bill for services provided under the provisions of this Tariff is furnished to the IC, an additional charge applies for each additional copy of the bill as set forth in 22.5.7 following.

F. The dispute date is the date the IC presents sufficient documentation to support the claim. Sufficient documentation consists of the following information, where such information is relevant to the dispute and reasonably available to the IC:

1. Special Access

   a. The nature of the dispute (i.e., incorrect rate, incorrect circuit type etc.), including the basis for the IC's belief that the bill is incorrect.

   b. The billing account number(s) assigned by the Company.

   c. The amount of money in dispute.

   d. The date of the bill in dispute.

2. Switched Access (Non-Usage)

   a. The nature of the dispute (i.e., incorrect rate etc.), including the basis for the IC's belief that the bill is incorrect.

   b. The billing account number(s) assigned by the Company.

   c. The amount of money in dispute.

   d. The date of the bill in dispute.

3. Switched Access (Usage)

   a. The nature of the dispute (i.e., incorrect rate, incorrect minutes of use, etc.), including the basis for the IC's belief that the bill is incorrect.

   b. The type of usage (i.e., originating or terminating).

   c. The Company end office where the minutes of use originated or terminated (if applicable).

   d. The number of minutes in dispute.

   e. The billing account number(s) assigned by the Company.

   f. The amount of money in dispute.

   g. The date of the bill.

G. The Company and the IC shall work cooperatively to resolve the dispute.

If additional information from the IC would assist in resolving the dispute, the IC may be requested to provide additional information relevant to the dispute and reasonably available to the customer. This data may include, but is not limited to summarized usage data by time of day. The request for such additional information shall not affect the dispute date established pursuant to 2.4.1.F. preceding.

H. For purposes of 2.4.1.B.4., the resolution date is the date on which the Company completes the investigation of the dispute, and the Company's service representative notifies the IC of the disposition and notes the IC's account or when the Company forwards the amount of credit to the customer, depending upon IC preference.

2. GENERAL REGULATIONS (CONT'D)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.2 Minimum Periods

A. The minimum periods for which services are provided and for which rates and charges are applicable are set forth in 5.,6. And 7. following, for Switched and Special Access Services; and, in 14. following for Special Construction.

B. The minimum period for which service is provided and for which rates and charges are applicable for a Specialized Service or Arrangement provided on an individual case basis, as set forth in 12. following is one month unless a different minimum period is established with the individual case filing.

C. When a service is discontinued prior to the expiration of the minimum period, charges are applicable for the remaining portion of the minimum period, whether the service is used or not, and will be based on the rates in effect for the service at the time of discontinuance.

2.4.3 Cancellation of an Order for Service

Provisions for the cancellation of an order for service are set forth in other applicable sections of this Tariff.

2.4.4 Credit Allowance for Service Interruptions

A. General

A service is interrupted when it becomes unusable to the IC or End User because of a failure of a facility component used to furnish service under this Tariff. A credit allowance will be made for the period in excess of 24 hours the service is interrupted. An interruption period starts when an inoperative service is reported by the IC and ends when the service is operative.

For calculating credit allowances, every month is considered to have 30 days.

B. When A Credit Allowance Applies

In case of an interruption to any service, allowance for the period of interruption, if not due to the negligence of the IC or End User, shall be as follows:

1. For services, other than those mentioned in 5. following, no credit shall be allowed for an interruption of less than 24 hours. The IC or End User shall be credited for an interruption of 24 hours or more at the rate of 1/30 of the monthly charge for the service for each period of 24 hours or major fraction thereof that the interruption continues from the time of notice to the Company that an interruption has occurred.
2. Credit allowances for interruptions to Switched Access Service apply only to the applicable monthly rates and minimum monthly usage charges.
3. The credit allowance(s) for an interruption or for a series of interruptions shall not exceed the monthly rate and the minimum monthly usage charge for the service interrupted in any one monthly billing period.
4. For certain Special Access services (Wideband Digital, WD1-4; Digital Data Access, DA1-4; and High Capacity, HC1), any period during which the error performance is below that specified for the service will be considered as an interruption.
5. Service interruptions for Specialized Service or Arrangements provided under the provisions of 12. following shall be administered in the same manner as those set forth in this section 2.4.4. unless other regulations are specified with the individual case filing.

2. GENERAL REGULATIONS (CONT'D)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

C. When Credit Allowance Does Not Apply

No credit allowance will be made for:

1. Interruptions caused by the negligence of the IC or end user.
2. Interruptions of a service due to the failure of equipment or systems provided by the IC, end user or others.
3. Interruptions of a service during any period in which the Company is not afforded access to the premises where the service is terminated.
4. Interruptions of a service during any period when the IC or end user has released a service to the Company for maintenance purposes, to make rearrangements, or for the implementation of an order for a change in the service.
5. Interruptions of a service which continue because of the failure of the IC or End User to authorize replacement of any element of special construction, as set forth in 14. following. The period for which no credit allowance is made begins on the seventh day after the IC or End User receives the Company's written notification of the need for such replacement and ends on the day after receipt by the Company of the IC's or End User's written authorization for such replacement.
6. Periods when the IC or End User elects not to release the service for testing and/or repair and continues to use it on an impaired basis.
7. Interruptions caused by the failure of other Company provided services which are connected by the IC at its terminal location or by the End User at its premises.
8. An interruption or a group of interruptions, resulting from a common cause, for amounts less than one dollar.

D. Use of an Alternative Service Provided by the Company

Should the IC elect to use an alternative service provided by the Company during the period that a service is interrupted, the IC must pay the tariffed rates and charges for the alternative service used.

E. Temporary Surrender of a Service

In certain instances, the IC may be requested by the Company to surrender a service for purposes other than maintenance, testing or activity relating to a service order. If the IC consents, a credit allowance will be granted. The credit allowance will be 1/30 of the monthly rate for each period of 24 hours or fraction thereof that the service is surrendered. In no case will the credit allowance exceed the monthly rate for the service surrendered in any one monthly billing period.

2.4.5 Re-establishment of Service Following Fire, Flood or Other Occurrence

A. Nonrecurring Charges Do Not Apply

Charges do not apply for the re-establishment of service following a fire, flood or other occurrence attributed to an Act of God provided that:

1. The service is of the same type as was provided prior to the fire, flood or other occurrence.
2. The service is for the same IC or End User.
3. The service is at the same location on the same premises.
4. The re-establishment of service begins within 60 days after Company service is available. (The 60 day period may be extended a reasonable period if the renovation of the original location on the premises affected is not practical within the allotted time period.

B. Nonrecurring Charges Apply

Nonrecurring Charges apply for establishing service at a different location on the same premises or at a different premises pending re-establishment of service at the original location.

2. GENERAL REGULATIONS (CONT'D)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.6 Title or Ownership Rights

A. The payment of rates and charges by ICs or End Users for the services offered under the provisions of this Tariff does not assign, confer or transfer title or ownership rights to proposals or facilities developed or utilized, respectively, by the Company in the provision of such services.

B. Title or ownership rights to Specialized Service or Arrangements designed by the Company to meet an IC's or End User's request remain with the Company except as specifically provided for by written agreement of all parties.

2. GENERAL REGULATIONS (CONT'D)

2.5 Connections

2.5.1 General

A. Equipment and Systems (i.e., terminal equipment, multiline terminating systems and communications systems) may be connected with access service (Switched and Special) furnished by the Company where such connection is made in accordance with the provisions specified in this section and in 2.1 preceding.

B. Equipment and systems subject to Part 68 of the FCC Rules and Regulations (Registration Program) will be connected in accordance with 2.5.4 and 2.5.5 following. Equipment and systems not subject to the Registration Program will be connected in accordance with 2.5.7 and 2.5.8 following.

C. Connection may be made at the point of interface at the IC terminal location or the network interface at the End User location. The Company will furnish and maintain its service components in a manner suitable for the service being furnished. The Company is not responsible for:

1. The through transmission of signals generated by IC or End User provided equipment and systems or for the quality of, defects in, such transmissions
2. The reception of signals by IC or End User provided equipment and systems.
3. Address signaling performed by IC or End User provided equipment and systems.

2.5.2 Responsibilities of the IC or End User

When an IC or End User connects equipment or systems to a service, it is responsible for the proper installation, operation and maintenance of the connected equipment or systems, and is also responsible for compliance with Part 68 of the FCC Rules and Regulations and/or minimum protection criteria as set forth in 2.5.10 following.

ICs or End Users are also responsible for complying with the regulations set forth in A. and B. following.

A. Compatibility with the Service

The IC or End User is responsible for the compatibility of the equipment or system with the service to which it is connected, as set forth in 2.5.2.A.1 and 2.5.2.A.2. This responsibility applies at the initial installation and on a continuing basis for the duration of the connection.

1. Interface Information

The IC must specify the type of interface (including signaling) which is required. If data transmission is involved, the IC must also specify the type of data conditioning required.

The Company has Technical References which the IC or end user can obtain as an aid in selecting the appropriate service and feature arrangements.

2. Interference and Hazard

The operating characteristics of the equipment or system connected to a service must not interfere with, or impair, any of the services offered by the Company. In addition, they must not endanger the safety of Company employees or the public; damage or interfere with the functioning of Company equipment, or services; or otherwise injure the public in its use of these services.

B. Maintenance of Service

The IC is responsible for payment of Maintenance of Service Charges as set forth in 22.5.3 following when the conditions enumerated in that section are present.

2. GENERAL REGULATIONS (CONT'D)

2.5 Connections (Cont'd)

2.5.2 Responsibilities of the IC or End User (Cont'd)

C. Violation of Regulations

If any of these connections regulations are violated, the Company will take action to protect its services and will promptly notify the IC or End User of the violation. After receiving such notice the IC or End User must discontinue, such use of the equipment and/or system, or correct the violation and confirm in writing by an authorized representative that the correction has been made. This confirmation must be received by the Company within ten days after the IC or End User has received notification of the violation. If the IC or End User does not correct the violation, or does not provide the required written confirmation to the Company within ten days, service will be suspended until such time as the IC or End User does comply. Extraordinary procedures as set forth in 2.5.9.B following may be invoked if warranted.

2.5.3 Responsibilities of the Company

A. In addition to furnishing and maintaining its service components to the specifications of the service ordered, the Company will:

1. Make technical information pertaining to service interfaces available (i.e.: Technical Advisories, Technical Publications, etc.) as an aid to the IC or End User in selecting the appropriate interface.
2. Furnish any network interface information required by Part 68 of the FCC's Rules and Regulations (e.g., the number of ringers that may be supported by a particular service).
3. Test and maintain only that service or equipment, which it provides, if an interruption or impairment occurs on a service.
4. Not be responsible to any party if a change in its Minimum Protection Criteria, service components or procedures affects any facilities, equipment or systems provided by others in any way, or requires their modification in order to be used. However, if such changes can be reasonably expected to materially affect the operating or transmission characteristics of the service or render any IC or End User provided equipment or system incompatible with the service, the Company will make a reasonable effort to notify the IC or End User in writing of the proposed change. A reasonable interval will be allowed before the change is implemented to enable the IC or End User to maintain compatibility of its equipment or system with the service.

2.5.4 Connections of Equipment and Systems Subject to the Registration Program

All terminal equipment, protective circuitry and multiline terminating systems that are registered may be connected at the IC's or End User's premises to Category I or III access services as specified in B. and C. following.

A. Registration Program

The Registration Program was established by the FCC so that terminal equipment, protective circuitry and multiline terminating systems could be registered in accordance with prescribed rules to demonstrate they will not cause harm to Company services.

(For simplicity, such equipment, protective circuitry or system will be referred to as "registered equipment" in this section). The FCC's regulations regarding the Registration Program are contained in Part 68 of the FCC's Rules and Regulations (hereafter referred to as the Registration Program). If equipment is registered in accordance with the Registration Program, then it may be connected to those access services within the scope of the Registration Program without the requirement for protective circuitry.

2. GENERAL REGULATIONS (CONT'D)

2.5 Connections (Cont'd)

2.5.4 Connections of Equipment and Systems Subject to the Registration Program (Cont'd)

A. Registration Program (Cont'd)

The Registration Program also includes a "grandfathered" provision for terminal equipment, protective circuitry and multiline terminating systems that are directly connected to those access services within the scope of the Registration Program. (For simplicity such equipment, protective circuitry or system will be referred to as "grandfathered equipment"). This provision means that equipment, protective circuitry or systems which was lawfully connected to a service without a Company provided connecting arrangement as of certain dates is considered grandfathered. (See 2.5.5 following).

B. Connections to Access Service

Registered equipment may be directly connected, using Company provided standard jacks, at the IC's terminal location or End User's premises. Special Access Services have been classified as Category I, Category II or Category III. The category is determined by the type of service and the type of equipment connected to it. There are specific regulations for each service category which must be complied with when connecting equipment to those services. Regulations governing Category I and III Special Access Services are set forth in C. following. Regulations governing Category II connections are as set forth in 2.5.7 following. Connections to Switched Access Services are covered by the regulations set forth in 2.5.8 following.

C. Conditions Governing the Connection of Registered Equipment

Registered equipment may be directly connected at the IC terminal location or the End User's premises, subject to the Registration Program, provided that:

1. All combinations of registered equipment and associated nonregistered terminal equipment (including but not limited to wiring) are installed, operated and maintained so that the rules of the Registration Program are continually satisfied.
2. The following notification requirements are met:
   a. Before connecting the registered equipment to a service, the IC must verify the following information and furnish it to the Company upon request or as required:
      (1) Registration Number.
      (2) Ringer Equivalence and the type of ringer.
      (3) Type of Company provided standard jack required for the connection.
      (4) Access Services to which the registered equipment will be connected.
      (5) Information concerning the premises wiring associated with multiline terminating systems (when required).
      (6) OPS class (i.e., Type A, B or C port) for which the equipment is registered (when an off-premises station service is involved).
      (7) Appropriate service facility interface information for a Category III access service.
   b. The IC or End User must also notify the Company when the registered equipment is permanently disconnected.
3. The Ringer Equivalence of the equipment or system in combination with the total Ringer Equivalence of other equipment connected to the same access service does not exceed the allowable maximum of five or as otherwise determined by the Company, or
4. The ringer type is designated by the Company as suitable for that particular access service.

2. GENERAL REGULATIONS (CONT'D)

2.5 Connections (Cont'd)

2.5.4 Connections of Equipment and Systems Subject to the Registration Program (Cont'd)

C. Conditions Governing the Connection of Registered Equipment (Cont'd)

5. All connections of registered equipment or systems to access services furnished by the Company are made through Company-provided standard registration program jacks, as provided for in Section 13. following, except that IC or End User provided equipment and systems which involve hazardous or inaccessible locations may be directly connected to access service furnished by the Company when those locations are authorized to be connected to local exchange service under tariffs filed with the appropriate State Regulatory Authority.

D. Premises Wiring

Premises wiring is used to connect separately housed equipment entities or system components to one another. Premises wiring can be used in an equipment room; to connect stations together; or to connect the stations to common equipment. Premises wiring in the nature of an equipment cord is also used to connect equipment entities or system components to the point of interface at the IC terminal location or the network interface at the End User's location.

Premises wiring rules are specified in Part 68 of the Federal Communications Commission's Rules and Regulations. A registered multiline terminating system may be directly connected to access service provided its premises wiring conforms to one of the following classifications and to Part 68 of the Federal Communications Commission's Rules and Regulations.

1. Fully-Protected Premises Wiring is premises wiring which is:

   a. No greater than 25 feet in length (measured linearly between the points where it leaves equipment or connector housings) and registered as a component of and supplied to the user with the registered equipment or protective circuitry with which it is to be used.

   b. A cord which complies with a. preceding and which is extended once by a registered connectorized extension cord. Extension cords may not be used as a substitute for wiring which for safety reasons should be affixed to or embedded in a building's structure.

   c. Wiring located in an equipment room with restricted access, provided that this wiring remains exposed for inspection and is not concealed or embedded in the building's structure, and that it conforms to Part 68 of the Federal Communications Commission's Rules and Regulations.

   d. Electrically behind registered equipment, system components or protective circuitry which assure that electrical contact between the wiring and commercial power wiring or earth ground will not result in hazardous voltages or excessive longitudinal imbalance at the access service interface.

2. Partially-Protected Premises Wiring requiring Acceptance Testing for Imbalance.

   Premises wiring which is electrically behind registered equipment, system components or circuitry which assures that electrical contact between the wiring and commercial power wiring will not result in hazardous voltages at the access service interface.

3. Unprotected Premises Wiring is all other premises wiring.
4. Premises Wiring Used with Company Provided Multiline Terminating Systems

   The Company will install and maintain all premises wiring used with its multiline terminating systems. It will assume the responsibility to assure that the regulations pertaining to premises wiring under the Registration Program are continually met.

2. GENERAL REGULATIONS (CONT'D)

2.5 Connections (Cont'd)

2.5.4 Connections of Equipment and Systems Subject to the Registration Program (Cont'd)

D. Premises Wiring (Cont'd)

5. Premises Wiring Used with IC or End User Provided Multiline Terminating Systems

When an IC or End User provided registered multiline terminating system or protective circuitry uses Fully Protected Premises Wiring (as defined in the Registration Program) no further action regarding wiring is required. However, when an IC or end user elects to install, connect, reconfigure or remove other than Fully Protected Premises Wiring, the appropriate institutional controls specified in the Registration Program must be followed. These controls are not applicable when the entire multiline terminating system is removed.

a. Institutional Controls

Institutional controls require that:

(1) At least 10 days advance notice must be given to the Company in the form of a notarized affidavit before placement and connection of the premises wiring. (This time period may be changed by agreement of the Company and the installation supervisor.) A copy of the affidavit must also be maintained at the IC's or End User's premises.

(2) If the premises wiring being installed is classified as unprotected the work must be supervised by an installation supervisor who has been trained by the equipment manufacturer, received written authority to install their equipment and has at least six months experience in this type of work. A licensed professional engineer (as specified in Part 68 of the Federal Communications Commissions' Rules and Regulations) may also supervise the work but does not have to meet these requirements. In either of the above cases the Company must be provided with a notarized affidavit.

(3) If the premises wiring being installed is classified as partially protected the work must be supervised by an installation supervisor who has at least six months experience in this type of work. However, the supervisor is not required to be trained by or have written authority from the equipment manufacturer. A licensed professional engineer may also supervise the work but does not have to meet these requirements. In either of the above cases the Company must be provided with a notarized affidavit.

(4) For other than fully protected multiline terminating systems an installation supervisor or licensed professional engineer may submit an application for a blanket affidavit number to the Company in lieu of individual affidavits. This blanket affidavit number will be assigned on a yearly basis, by the Company. Prior to each installation thereafter this blanket affidavit number must be submitted to the Company. The blanket affidavit number only covers that equipment which has been supported by documentation to the Company.

b. Extraordinary Procedures

The Company may invoke the extraordinary procedures as set forth in 2.5.9 following for Premises Wiring when one or more of the following conditions are present:

(1) Information provided in the aforementioned affidavit gives reason to believe that a violation of the Registration Program is likely.

(2) A failure has occurred during acceptance testing for longitudinal imbalance.

(3) Harm has occurred, and there is reason to believe that this harm was a result of wiring operations performed under the Registration Program.

2. GENERAL REGULATIONS (CONT'D)

2.5 Connections (Cont'd)

2.5.4 Connections of Equipment and Systems Subject to the Registration Program (Cont'd)

E. Connection of End User Provided Test Equipment

1. Direct Electrical Connection

a. IC or End User provided test equipment may be connected to an Access Service (Category I or III) at the IC's End User's premises through registered or grandfathered terminal equipment, multiline terminating system or protective circuitry which either singularly or in combination assures that all of the requirements of the Registration Program (total protection) are met at the Access Service interface.

Connections of IC or End User provided test equipment that do not provide protection against excessive signal power must be made in accordance with the Interim Program for the Connection of IC or End User Provided Test Equipment.

b. IC or End User provided test equipment may be connected to a Category II Access Service at the IC's End User's premises (a) on a direct electrical basis, or (b) through terminal equipment or multiline terminating system, provided the test equipment meets the specified Minimum Protection Criteria at the point of interface or network interface.

2. Interim Program[1] for the Connection of IC or End User Provided Test Equipment

IC or End User provided test equipment may also be connected to Access Service (Category I or III) at the IC's or End User's premises either at the point of interface or network interface or through a multiline terminating system, terminal equipment or protective circuitry which does not provide protection for signal power control, if the connection is made in accordance with the following Interim Program:

a. The test equipment is limited to transmission signal power generating and/or detection devices, or similar devices, utilized by the IC or End User for the detection and/or isolation of a communications service fault.

b. The test equipment is of a type that was lawfully directly connected to a service as of March 6, 1981. Such test equipment may remain connected, be moved or reconnected during the life of the test equipment unless it is subsequently modified.

c. Direct connections of IC or End User provided test equipment or connections through Company provided terminal equipment or a multiline terminating system must be made through Company provided jacks or as otherwise authorized by the Company.

d. The test equipment must be operated in accordance with the Institutional Procedures for Control of Signal Power set forth in 2.5.9 following. Automatic test equipment utilizing responders (or their functional equivalent) must be installed, operated and maintained so as to comply with the signal power specifications in Bell System Technical Advisory No. 17 and Bell System Technical Reference-Pub 60101.

e. The IC or End User must notify the Company of each service at each premises to which the IC or End User provided test equipment will be connected in advance of the initial connection. The IC or End User must also notify the Company when such test equipment is permanently disconnected at each premises.

[1] The Interim Program for the Connection of IC or End User Provided Test Equipment, unless sooner canceled or changed, will remain in effect until a permanent program is adopted by the Federal Communications Commission as a result of Part 68 Rulemaking in CC Docket No. 81 216, 85 F.C.C.2d 868 (1981).

2. GENERAL REGULATIONS (CONT'D)

2.5 Connections (Cont'd)

2.5.4 Connections of Equipment and Systems Subject to the Registration Program (Cont'd)

E. Connection of End User Provided Test Equipment (Cont'd)

2. Interim Program for the Connection of IC or End User Provided Test Equipment (Cont'd)

f. The IC or End User provided test equipment, either singularly or in combination with terminal equipment, multiline terminating system or protective circuitry (including but not limited to wiring), may not cause electrical hazards to Company personnel, damage to Company equipment, malfunction of Company billing equipment, or degradation of service to persons other than the user of the test equipment or the user's calling or called party.

2.5.5 Connections of Grandfathered Equipment and Systems to Category I or Category III Access Service

A. Direct Connections

1. Grandfathered Terminal Equipment, Multiline Terminating Systems and Protective Circuitry Connected to Category I Access Service

Terminal equipment, multiline terminating systems and protective circuitry, which are grandfathered, may remain connected or be moved and reconnected to Category I access services for the life of the equipment without registration and may be modified only in accordance with Part 68 of the Federal Communications Commission's Rules and Regulations, if:

a. The IC or End User provides the following information to the Company prior to reconnecting the grandfathered IC or End User-provided equipment or system:

(1) Manufacturer's Name

(2) Model No.

(3) Type Equipment or System

(4) Description of the Interface

(5) Access service(s) to which the equipment or system will be connected

(6) Information, concerning the premises wiring associated with a multiline terminating system (when required)

b. All connections are made through Company-provided standard registration program jacks unless the Company agrees to an alternate type of connection;

c. All such connections comply with the minimum protection criteria set forth in 2.5.10 following.

d. No changes are made to equipment or systems so connected except by the manufacturer thereof, or a duly authorized agent of the manufacturer.

e. The IC or End User must notify the Company when the grandfathered equipment or system is permanently disconnected.

f. The premises wiring, associated with grandfathered multiline terminating systems which was installed after June 1, 1978, and connected to Category I access services is moved and reconnected, conforms to Part 68 of the FCC's Rules and Regulations.

At the IC or End User's option grandfathered equipment or systems may be connected to Category II access services.

2. GENERAL REGULATIONS (CONT'D)

2.5 Connections (Cont'd)

2.5.5 Connections of Grandfathered Equipment and Systems to Category I or Category III Access Service (Cont'd)

A. Direct Connections (Cont'd)

2. Grandfathered Terminal Equipment, Multiline Terminating Systems and Protective Circuitry Connected to Category III Access Services

Terminal equipment, multiline terminating systems and protective circuitry which are grandfathered may be connected to Category III access services in accordance with 1.a through 1.e preceding and the following:

a. Terminal equipment, multiline terminating systems and protective circuitry directly connected to Category III access services on April 30, 1980, are grandfathered and may remain connected and be moved and reconnected for the life of the equipment without registration and may be modified only in accordance with Part 68 of the FCC's Rules and Regulations.

Premises wiring associated with grandfathered multiline terminating systems that are moved and reconnected must comply with Part 68 of the FCC's Rules and Regulations.

b. When IC or End User-provided multiline terminating systems are connected to Category III access services the IC or End User must specify the appropriate access service interface information. In addition, when the access service is arranged for off-premises station operation, the IC or End User must specify the OPS class of the equipment as specified in Part 68 of the FCC's Rules and Regulations (i.e., Type A, B, or C port) or the range of the station port in ohms.

3. Additions to Grandfathered Multiline Terminating Systems

Additions to grandfathered multiline terminating systems may be made without registration of any additional equipment involved, if:

a. Equipment so added to Category I access service is being reconnected, i.e., was previously directly connected to the telecommunications network or Category I access services prior to January 1, 1980, or

b. Equipment so added to Category III access service is (1) connected prior to May 1, 1983, and is of a type directly connected to Category III access services as of April 30, 1980, or (2) being reconnected, i.e., was previously connected to Category III access services prior to May 1, 1983.

c. Any premises wiring added conforms to Part 68 of the FCC's Rules and Regulations.

2. GENERAL REGULATIONS (CONT'D)

2.5 Connections (Cont'd)

2.5.5 Connections of Grandfathered Equipment and Systems to Category I or Category III Access Service (Cont'd)

B. Connections Through Grandfathered Protective Connecting Arrangements Provided by the Company

1. General

When IC or End User-provided terminal equipment or multiline terminating systems that are not registered or grandfathered are connected to Category I or Category III access services, protection is required. The protection can be provided through registered or grandfathered protective circuitry or through Company-provided connecting arrangements as set forth in 13 following.

Grandfathered connecting arrangements will be provided by the Company to connect IC or End User-provided terminal equipment or multiline terminating systems to Category I and Category III access services under the following conditions:

a. Grandfathered connecting arrangements used to move and reconnect IC or End User provided terminal equipment or multiline terminating systems will continue to be provided by the Company, subject to their availability.

b. Network control signaling is performed by equipment furnished, installed and maintained by the Company, except that:

(1) IC or End User provided tone-type address signaling is permissible through a Company-provided connecting arrangement,

(2) Signaling functions may be performed by IC or End User provided Conforming Answering Devices.

c. The IC or End User provided equipment or system must comply with the minimum protection criteria as set forth in 2.5.10 following.

d. When used for data transmission, the IC or End User furnishes the equipment which performs the function of data signaling conditioning.

When the IC or End User-provided terminal equipment is used for both voice and data communications, the same connecting arrangement may be used.

2. Category I

Company-provided grandfathered connecting arrangements will continue to be provided to reconnect IC or End User provided terminal equipment or multiline terminating systems which were previously connected to Category I access services through such connecting arrangements prior to the respective register only dates. (The register only dates are July 1, 1979 for terminal equipment, and January 1, 1980 for multiline terminating systems.) In addition, connecting arrangements which were installed prior to the respective register only dates, may remain connected for the life of the equipment and may be moved and reconnected.

2. GENERAL REGULATIONS (CONT'D)

2.5 Connections (Cont'd)

2.5.5 Connections of Grandfathered Equipment and Systems to Category I or Category III Access Service (Cont'd)

B. Connections of Grandfathered Equipment and Systems to Category I or Category III Access Service (Cont'd)

3. Category III

Connecting arrangements will be provided by the Company to connect IC or End User provided terminal equipment or multiline terminating systems to Category III access services under the following conditions:

a. After May 1, 1983, Company-provided connecting arrangements will only be provided to reconnect IC or End User provided terminal equipment or multiline terminating systems which were previously connected, in accordance with Company tariffs, to Category III access services through connecting arrangements prior to May 1, 1983.

b. Connections of IC or End User provided terminal equipment or multiline terminating systems made through Company-provided connecting arrangements in accordance with a. preceding may remain connected and may be moved and reconnected for the life of the equipment and may be modified only in accordance with Part 68 of the FCC's Rules and Regulations. Grandfathered connecting arrangements used for such moves and reconnections will continue to be provided by the Company subject to their availability.

In addition, prior to April 30, 1980, when terminal equipment or multiline terminating systems were connected to Category III access service which was not arranged for connection to the telecommunications network, the Company provided arrangements to protect against hazardous voltages, longitudinal imbalance and signal power overload as specified in 2.5.7.B following.

The Company will continue to provide that protection on Category III voice grade access services until May 1, 1983, provided that:

(1) The terminal equipment or multiline terminating system is of a type which was so connected prior to April 30, 1980.

(2) The terminal equipment or multiline terminating system is not on the FCC's grandfathered eligibility list.

(3) The Category III access service is not arranged for connection to the telecommunications network.

2. GENERAL REGULATIONS (CONT'D)

2.5 Connections (Cont'd)

2.5.6 Connections Involving National Defense and Security

A. In certain cases involving national defense and security the Registration Program permits the connection of nonregistered terminal equipment or multiline terminating systems to an Access Service if the Secretary of Defense, the head of any other Federal Government Department involved in national defense or security, the head of any other governmental department (having requisite FCC approval), or their authorized representative certifies in writing to the Company that:

1. The connection is required in the interest of national defense and security;
2. The equipment to be connected either complies with the technical requirements of the Registration Program or will not cause harm to the telecommunications network or Company employees, and
3. The installation work will be supervised by a person who meets the qualifications stated in the Registration Program.

2.5.7 Connections of Terminal Equipment or Multiline Terminating Systems to Category II Access Services

A. General

Category II access services are those services which are not covered by Part 68 of the FCC's Rules and Regulations and are therefore not classified as Category I or Category III. Connections to Category II access services are set forth in B. and C. following.

B. Connections to Category II Access Services

IC or End User provided terminal equipment or IC or End User provided multiline terminating systems may be directly connected without Company-provided connecting arrangements to a Category II access service which is not arranged for connection to the telecommunications network. The connection in such cases shall be to the Service Terminating Arrangement.

The Company will equip those voice grade Category II access services with the necessary arrangements on the IC or end user access premises to protect the telecommunications network from hazardous voltages and the harmful effects of longitudinal imbalance. In addition, the Company will make the necessary arrangements in its central office to protect against signal power overload resulting from violations of the minimum protection criteria specified in 2.5.10 following. Where there is evidence that IC or End User provided terminal equipment or IC or End User provided systems violate the specified minimum protection criteria, signal level protection may be provided by the Company on the IC's or end user's premises. This regulation applies to all such voice grade access services except those (1) placed in service on or after February 15, 1973, where the IC or End User provided terminal equipment or system applies ringing below 300 Hertz or (2) the voice grade services listed in C. following.

C. Minimum Protection Criteria

The minimum protection criteria specified in 2.5.10 following applies to the connection of terminal equipment, multiline terminating systems and communications systems connected to Category II access service.

At this time minimum protection criteria have not been specified for the following services due to the nature of the service and/or the type of channels and equipment used. However, the Company reserves the right to specify such criteria if required.

- Voice Grade Secure Communications (Type I, II, III, IV)
- Wideband Secure Communications (Type I, II, III)

2. GENERAL REGULATIONS (CONT'D)

2.5 Connections (Cont'd)

2.5.8 Connections of Access Service to Communications Systems Not Subject to Part 68 of the FCC's Rules and Regulations

A. When an IC or End User provided communications system is connected to Access Service that is arranged for connection to the telecommunications network the connection may be made through:

1. A connecting arrangement provided by the Company, or
2. Registered or grandfathered terminal equipment, multiline terminating system, or protective circuitry which, either singularly or in combination assures that all the requirements of the Registration Program (including signal power) are met at the access interface.
3. In lieu of these requirements for total hardware protection, an optional, alternative method, as described in 2.5.9 following, is available for the control of signal power only.

B. Where the Access Service is arranged for connection to the common user switching equipment located in a Company central office, the connection must be:

1. Through switching equipment or
2. To an IC or End User provided communications system that is arranged to promptly return the access service to an idle (on hook) state should the communications system fail. In addition, the IC or End User must notify the Company when the communications system fails.

C. Minimum Protection Criteria as set forth in 2.5.10 following must be complied with when the connection is made through equipment or systems that are not registered.

D. Such telecommunication system may only be connected at the End User's premises provided that such telecommunications service or customer provided communications system is utilized for the origination or termination of communications at the End User's premises where the connection is made.

2. GENERAL REGULATIONS (CONT'D)

2.5 Connections (Cont'd)

2.5.9 Institutional Procedures for Control of Signal Power

A. Conditions

When IC or End User provided communications systems or End User provided test equipment is connected to Access Services (including 1.544 Mbps) that are arranged for telecommunications network access and the connection is through (1) a Company provided connecting arrangement or, (2) registered or grandfathered terminal equipment, multiline terminating system or protective circuitry which assures that all of the requirements of the Registration Program are met at the Access Service interface, no further action is required. However, when an IC or End User elects to connect a communications system or End User provided test equipment to Access Service and the registered or grandfathered equipment, system or protective circuitry through which the connection is made does not provide protection for control of signal power, the IC or End User must comply with the following institutional procedures:

1. The operator/maintainer responsible for the establishment, maintenance and adjustment of the voice frequency signal power present at the Access Service interface must be trained to perform these functions by successfully completing one of the following:

   a. A training course provided by the manufacturer of the equipment to control voice frequency signal power; or

   b. A training course provided by the IC or End User authorized representative, who has responsibility for the entire communications system multiplexor or test equipment, using training materials and instructions provided by the manufacturer of the equipment used to control the voice frequency signal power; or

   c. An independent training course (e.g., trade school or technical institution) recognized by the manufacturer of the equipment used to control the voice frequency signal power; or

   d. In lieu of the preceding training requirements; the operator/maintainer is under the control of a supervisor trained in accordance with a. through c. preceding.

   Upon request, the IC or End User is required to provide the proper documentation to demonstrate compliance with the preceding requirements.

2. At least 10 days advance notice must be given to the Company, in the form of a notarized affidavit, before the initial connection of the IC or End User provided communications system or End User provided test equipment. A copy of the affidavit must also be maintained at the IC's End User's premises. The affidavit must contain the following information:

   a. The full name, business address, business telephone number and signature of the IC, End User or authorized representative who has responsibility for the operation and maintenance of the communications system or test equipment.

   b. The line(s) to which the communications system or test equipment will be connected or arranged to be connected.

   c. A statement that all operations associated with the establishment, maintenance and adjustment of the signal power present at the interface will comply with the Registration Program.

   d. A statement describing how each operator/maintainer of the communications system or test equipment will meet and continue to meet the training requirements for persons installing, adjusting or maintaining such equipment or systems.

2. GENERAL REGULATIONS (CONT'D)

2.5 Connections (Cont'd)

2.5.9 Institutional Procedures for Control of Signal Power (Cont'd)

A. Conditions (Cont'd)

3. The IC or End User provided communications systems connected to 1.544 Mbps facilities must be installed, operated and maintained so that the 3-second average, RMS (root mean square) equivalent analog signal power (within the frequency range of 200-4000 Hertz) for each subrate channel at the circuit interface does not exceed -12dBm.

B. Extraordinary Procedures

1. The Company may invoke extraordinary procedures to protect the service where one or more of the following conditions are present:

   a. Information provided in the affidavit gives reasons to believe that a violation of the Registration Program or the Institutional Procedures for Control of Signal Power is likely.

   b. Harm has occurred and there is reason to believe this harm was a result of operations performed under the Institutional Procedures for Control of Signal Power.

2. The extraordinary procedures, which can be invoked by the Company, include:

   a. Requiring the use of protective apparatus which either protects solely against signal power or which assures that all of the requirements of the Registration Program are met at the point of interface or the network interface. This protective apparatus may be provided by the Company, the IC or End User.

   b. Disconnecting Service

3. A charge equal to the Maintenance of Service charge (as set forth in 13. following) will apply when:

   a. It is necessary to send a repair person to the premises where the connection is made because a condition set forth in 1. preceding exists, and

   b. A failure to comply with the Registration Program or the Institutional Procedures for Control of Signal Power is disclosed.

2.5.10 Minimum Protection Criteria for Direct Electrical Connections

A. To prevent excessive noise and crosstalk in the telecommunications network, it is necessary that the power of the signal at the central office not exceed 12dB below one milliwatt when averaged over any three second interval. To insure that this limit is not exceeded the power of the signal which may be applied by the IC's or End User's facilities to the Company interface located at the IC or End User premises will be specified for each IC or End User premises but in no case shall it exceed one milliwatt.

B. To protect other services from interference at frequencies which are above the band of service provided and to insure that the input to the service does not exceed the limits indicated, the Company will specify the acceptable signal power in the following bands to be applied by the equipment at the point of interface or network interface:

1. Metallic Voltage

   a. 4 kHz to 270 kHz

Center Frequency (f) of 8 kHz Band	Max Voltage in All 8 kHz Bands	Metallic Terminating Impedance
8 kHz to 12 kHz	-(6.4+12.6 log f) dBV	300 ohms
12 kHz to 90 kHz	(23 40 log f) dBV	135 ohms
90 kHz to 266 kHz	-55 dBV	135 ohms

   b. The root-mean-square (rms) value of the metallic voltage components in the frequency range of 270 kHz to 6 MHz shall, averaged over 2 microseconds, not exceed -15 dBV. This limitation applies with a metallic termination having an impedance of 135 ohms.

2. GENERAL REGULATIONS (CONT'D)

2.5 Connections (Cont'd)

2.5.10 Minimum Protection Criteria for Direct Electrical Connections (Cont'd)

B. (Cont'd)

2. Longitudinal Voltage

a. 4 kHz to 270 kHz

Center Frequency (f) of 8 kHz Band	Max Voltage in All 8 kHz Bands	Longitudinal Terminating Impedance
8 kHz to 12 kHz	-(18.4+20 log f) dBV	500 ohms
12 kHz to 42 kHz	(3 40 log f) dBV	90 ohms
42 kHz to 266 kHz	-62 dBV	90 ohms

b. The root-mean-square (RMS) value of the longitudinal voltage components in the frequency range of 270 kHz to 6 MHz shall, averaged over 2 microseconds, not exceed -30 dBV. This limitation applies with a longitudinal terminating having an impedance of 90 ohms. (dBV = 20 log (base 10) voltage in volts)

C. To prevent the interruption or disconnection of a call, or interference with network control signaling, it is necessary that the signal applied by the IC's or End User's facilities to the Company interface located at the IC terminal location or End User premises at no time have energy solely in the 2450 to 2750 Hz band. If signal power is in the 2450 to 2750 Hz band, it must not exceed the power present at the same time in the 800 to 2450 Hz band.

D. Where there is no connection to the telecommunications network, and the signal applied by the IC's or End User's facilities has energy solely in the 2675 to 2750 Hz band, the IC or End User shall coordinate the application of that signal with the Company.

E. Where IC's or End User's facilities apply signals that have components in the frequency spectrum below 300 Hz, excluding ringing signals, the currents and voltages (including all harmonics and spurious signals) at the interface shall not exceed the following limits:

1. The maximum RMS (root-mean-square) value, including dc and ac components, of the current per conductor will be specified by the Company, but in no case will the specified value exceed 0.35 ampere.
2. The magnitude of the peak of the conductor to ground voltage shall not exceed 70 volts.
3. The conductor to conductor voltage shall be such that the conductor to ground voltage limit set forth in 2. preceding is not exceeded. If the signal source is not grounded, the voltage limit in 2. above applies to the conductor to conductor voltage.
4. The total weighted RMS voltage within the band from 50 Hz to 300 Hz shall not exceed 100 volts. The total weighted RMS voltage is the square root of the sum of the products of the weighting factors for the individual frequency components times the square of the RMS voltage of the individual frequency components. The weighting factors are as indicated:

For Frequencies Between	Weighting Factor
50 Hz and 100 Hz	f2/104
100 Hz and 300 Hz	f3.3/106.6

Where f is the numerical value of the frequency, in Hz, of the frequency component being weighted.

2. GENERAL REGULATIONS (CONT'D)

2.5 Connections (Cont'd)

2.5.10 Minimum Protection Criteria for Direct Electrical Connections (Cont'd)

F. Where IC or End User provided data terminal equipment is connected to special access services with data capability and used for baseband data baseband transmission , the following limits shall not be exceeded. However, at specific bit rates of 2.4, 4.8 or 9.6 kbps, higher levels of transmission are permissible if a bipolar signal format specified by the Company is met. The bipolar signal format is necessary to limit intractable interference. The Company will provide the bipolar specifications upon request.

1. The maximum RMS (root-mean-square) value, including dc and ac components, of the current per conductor will not exceed 0.15 ampere.
2. The magnitude of the peak of the conductor to ground voltage shall not exceed 70 volts.
3. The conductor to conductor voltage shall be such that the conductor to ground voltage limit in (2) preceding is not exceeded. If the signal source is not grounded, the voltage limit in (2) preceding applies to the conductor to conductor voltage.
4. The total weighted rms voltage within the band from 10 Hertz to 10,000 Hertz shall not exceed 100 volts. The total weighted rms voltage is the square root of the sum of the products of the weighting factors for the individual frequency components times the square of the rms voltage of the individual frequency components. The weighting factors are as indicated:

For Frequencies Between	Weighting Factor
10 Hz and 100 Hz	f2/104
1000 Hz and 10,000 Hz	f3.3/106.6

Where f is the numerical value of the frequency, in Hertz, of the frequency component being weighted.

5. The total voltage within the frequency band from 10,000 Hertz to 25,000 Hertz shall not exceed 0.05 volts rms.
6. The total voltage within the frequency band from 25,000 Hertz to 40,000 Hertz shall not exceed 0.012 volts rms.
7. The total voltage within the frequency band above 40,000 Hertz shall not exceed 0.0025 volts rms.
8. The foregoing signal level restrictions are based upon multiple disturbers being present in a given cable. When several services employing baseband data transmission are keyed simultaneously the signal limits stipulated in 4. through 7. preceding, must be reduced by multiplying the voltage signal limits by a factor of 1 divided by the square root of N where N is the expected number of transitions occurring simultaneously.

2.5.11 Recording of Two-way Telephone Conversations

The FCC has adopted regulations which apply to the recording of two-way telephone conversations on the telecommunications network. These regulations also apply to Switched Access Service.

A. Direct Electrical Connection

IC or End User provided voice recording equipment may be used to record two-way telephone conversations if a distinctive recorder tone is repeated at intervals of approximately fifteen seconds. This distinctive recorder tone is required when the recording equipment is in use and is electrically connected with services of the Company. The distinctive recorder tone can be provided as part of (1) the recording equipment, (2) the IC or End User provided registered or grandfathered protective circuitry, or (3) a grandfathered connecting arrangement provided by the Company.

2. GENERAL REGULATIONS (CONT'D)

2.5 Connections (Cont'd)

2.5.11 Recording of Two way Telephone Conversations (Cont'd)

A. (Cont'd)

The IC or End User provided voice recording equipment must be arranged so that it can be connected or disconnected (or switched on or off) at will.

(Filed in compliance with an Order of the F.C.C. adopted May 20, 1948, in Docket No. 6787)

B. Exceptions to the Requirement for the Recorder Tone

The distinctive recorder tone is not required:

1. When used by a FCC licensed broadcast station customer for recording of two-way conversation solely for broadcast over the air. (Filed in compliance with an Order of the FCC adopted December 13, 1972.)
2. When used by the United States Secret Service of the Department of the Treasury for recording two-way telephone conversations which concern the safety and security of the person of the President of the United States, members of the President's immediate family, or the White House and its grounds. (Filed in compliance with an Order of the FCC adopted January 22, 1975.)
3. When used by a broadcast network or by a cooperative programming effort composed exclusively of FCC licenses to record two-way telephone conversations solely for broadcast over the air by a licensed broadcast station. (Filed in compliance with an Order of the FCC adopted December 18, 1975.)
4. When used for recording at United States Department of Defense Command Centers of emergency communications transmitted over the Department of Defense's private line network when connected to Long Distance Message Telecommunications Service, WATS or local telephone exchange service. (Filed in compliance with an Order of the FCC adopted May 19, 1976.)
5. When used by the United States Nuclear Regulatory Commission of the Department of Energy for recording of two-way telephone conversations at its Operations Centers. (Filed in compliance with an Order of the FCC adopted January 29, 1981.)

C. Acoustic or Inductive Connections

D. IC or End User provided voice recording equipment may not be connected to a service for the recording of two-way telephone conversations by means of an acoustic or inductive connection unless its use qualifies under the regulations "Exceptions to the Requirement for the Recorder Tone" as set forth in B. preceding.

2.5.12 Connection to an HC1 Facility

Terminal equipment, a multiline terminating system or a communications system which does not have the capability to transmit signals with encoded analog content via an HC1 facility to the telecommunications network or to a Category I or Category III access service may be directly connected to the point of interface or the network interface of the circuit. All other connections to an HC1 facility are also made at the point of network interface and must be made in accordance with the following regulations.

A. Connection of Terminal Equipment

Terminal equipment may be connected to an HC1 facility through, or in combination with, channel derivation equipment. If the connection provides the capability to transmit signals with encoded analog content via the HC1 facility to the telecommunications network or to a Category I or Category III access service, it must be connected in accordance with the Registration Program, or Interim Program as set forth in C. and D. following.

In addition, when voice-band data terminal equipment is used with the channel derivation equipment the voice-band data terminal equipment must comply with Part 68 of the FCC's Rules and Regulations to ensure continued billing integrity.

2. GENERAL REGULATIONS (CONT'D)

2.5 Connections (Cont'd)

2.5.12 Connection to an HC1 Facility (Cont'd)

B. Connection of a Multiline Terminating System and Channel Derivation Equipment

A multiline terminating system and/or channel derivation equipment may be connected to an HC1 facility. If the connection provides the capability to transmit signals with encoded analog content via the HC1 facility to the telecommunications network or to a Category I or a Category III access service, it must be connected in accordance with the Registration Program, or Interim Program as set forth in C. and D. following.

C. Registration Program

A Petition for Rulemaking to modify Part 68 of the FCC's Rules and Regulations (Registration Program) to include certain connections to HC1 facilities has been filed with the FCC. To accommodate connections during the pendency of that Rulemaking, the Company has established the following Interim Program.

D. Interim Program

Terminal equipment and multiline terminating systems of a type listed on the Interim Program Summary may be connected at the IC's or End User's premises to an HC1 facility. (A copy of the Interim Program Summary is available from the Federal Communications Commission, Room BB300, Washington, D.C. 20554.)

1. Equipment and systems may be added to the Interim Program Summary in one of the following ways:

   a. By being directly connected to any Company-provided HC1 service, facility or circuit as of March 17, 1983.

   b. When the manufacturer of the terminal equipment or multiline terminating system submits a notarized affidavit to the FCC, Chief, Domestic Services Branch, Room BB300, Washington, D.C. 20554, attesting to the following:

      (1) The equipment or system meets the proposed technical requirements for connections to an HC1 service, facility or circuit. The technical requirements are those that have been proposed to the FCC for inclusion in Part 68 of the Rules by the FCC/Industry Ad Hoc Task Group on Digital Interfaces. (Copy available from the Federal Communications Commission, Room BB300, Washington, D.C. 20554.)

      (2) The equipment or system complies with the requirements of the Bell System Technical Reference Publication 41451.

2. Until expiration of the Interim Program, terminal equipment and multiline terminating systems that are listed on the Interim Program Summary may be connected to an HC1 facility.
3. Any terminal equipment or multiline terminating system connected pursuant to this Interim Program may require modification in response to Part 68 of the Rules adopted in CC Docket No. 81-216 or RM 4087.
4. Terminal equipment and multiline terminating systems that are connected under the Interim Program may remain connected and be moved and reconnected for the life of the equipment or system, except as may be required in response to Part 68 of the Rules adopted in FCC Docket No. 81-216 or RM 4087.
5. The Company may invoke extraordinary procedures to protect an HC1 facility. The extraordinary procedures applied will be the same as those for connection of a communications system to an access service as set forth in 2.5.9 B. preceding.
6. The Interim Program will expire on adoption of final FCC Rules in RM 4087, unless sooner canceled, changed or extended.

2. GENERAL REGULATIONS (CONT'D)

2.5 Connections (Cont'd)

2.5.12 Connection to an HC1 Facility (Cont'd)

E. Connection of a Communications System

An IC or End User provided communications system and associated channel derivation equipment, if any, may be connected to an HC1 facility. If the connection provides the capability to transmit signals with encoded analog content via the HC1 facility to the telecommunications network or to a Category I or Category III access service, it must be connected in accordance with the Institutional Procedure for Control of Communications System Signal Power.

In addition, when voice-band data terminal equipment is used with the IC or End User provided communications system the voice-band data terminal equipment must comply with Part 68 of the FCC's Rules and Regulations to ensure continued billing integrity.

2.5.13 Connection to Wideband Analog Access Service

A. Connections

Terminal equipment, a multiline terminating system or a communications system may be directly connected to the Service Terminating Arrangement of a Wideband Analog Access Service if the signals transmitted by such equipment and presented at the interface do not exceed the signal levels specified under the Minimum Protection Criteria section following. If the signals transmitted exceed these signal levels, the Company will take action to protect its services.

B. Minimum Protection Criteria

The Minimum Protection Criteria for Wideband Analog Access Service are as follows. Signals presented at the point of network interface of these channels must not exceed the following transmitting power levels:

Power	WA1	WA2
1. Average Long Term Power, simultaneously with 3. below, measured over a 30 second interval	-5 dBm0	+2 dBm0
2. Instantaneous Peak Power (.01% of the time)	+17 dBm0	+19 dBm0
3. Power in any 4 kHz segment over 3 second interval	-13 dBm0	-13 dBm0
4. Out of band power power density	No greater than inband power density	No greater than inband
5. Single frequency tones	-13 dBm0	-13 dBm0

2. GENERAL REGULATIONS (CONT'D)

2.6 Definitions

Certain terms used herein are defined as follows:

ACCEPTANCE (COOPERATIVE) TESTS

The term "Acceptance (Cooperative) Tests" denotes those nonchargeable tests which are performed by the Company in cooperation with the IC at the IC's request at the time service is installed.

ACCESS CODE

The term "Access Code" denotes a uniform seven digit code assigned by the Company to an individual IC. The seven digit code has the form 950-10XX and 101XXXX.

ACCESS MINUTES

The term "Access Minutes" denotes that usage of exchange facilities in Intrastate service for the purpose of calculating chargeable usage. On the originating end of an intrastate call, usage is measured from the time the originating End User's call is delivered by the Company and acknowledged as received by the IC's facilities connected with the originating exchange. On the terminating end of an intrastate call, usage is measured from the time the call is received by the End User in the terminating exchange. Timing of usage at both originating and terminating end of an intrastate call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating end exchanges, as applicable. Those two times are measured by the receipt of a signal known as answer/disconnect supervision.

ACCESS TANDEM

The term "Access Tandem" denotes a Company switching system that provides a traffic concentration and distribution function of interLATA traffic originating from or terminating to an end office serving an IC terminal location.

ACTUAL COST

The term "Actual Cost" denotes all costs charged against a specific case of special construction, including any appropriate taxes.

ANSWER/DISCONNECT SUPERVISION

The term "Answer/Disconnect Supervision" denotes the transmission of the switch trunk equipment supervisory signal (off-hook or on-hook) to the IC point of connection for terminating calls to the exchange as an indication that the called party has answered or disconnected.

ASSUMED AVERAGE ACCESS MINUTES

The term "Assumed Average Access Minutes" denotes the usage that will be billed each month to ICs for Feature Group A, B or E access arrangements served from Company serving end offices where recorded minutes of use are not available.

ATTENTUATION DISTORTION

The term "Attenuation Distortion" denotes the difference in loss at specified frequencies relative to the loss at 1004 Hz.

AVERAGE BUSINESS DAY (ABD)

The term "Average Business Day" denotes 8:00 A.M. to 5:00 P.M., Monday through Friday, excluding national holidays.

2. GENERAL REGULATIONS (CONT'D)

2.6 Definitions (Cont'd)

BALANCE (100 TYPE) TEST LINE

The term "Balance (100 Type) Test Line" denotes an arrangement in an end office which provides for balance and noise testing.

BIT

The term "Bit" denotes the smallest unit of information in the binary system of notation.

BUSY HOUR MINUTES OF CAPACITY (BHMC)

The term "Busy Hour Minutes of Capacity" denotes the average of the highest time consistent hour of usage during the highest twenty consecutive business day period during a calendar year.

CALL

The term "Call" denotes a customer communications attempt in which the complete address code (e.g., 0-, 911, or 10 digits) is provided to the serving dial tone office or in the case of 800 Access Service when the address code is provided to the office performing the translation or screening function. It begins with an off-hook signal initiated by an IC or End User (calling party) and concludes with an on-hook signal after attempted or completed communication to a Directory Assistance Service access location or End User (called party) or to an IC terminal location.

CARRIER OR COMMON CARRIER

The term "Carrier or Common Carrier" denotes any individual, partnership, associations, joint-stock company, trust or corporation engaged for hire in interstate or foreign communication by wire or radio.

CATEGORY I

The term "Category I" denotes the Special Access Services that are equivalent to the services that are defined in Part 68.2 (a) (ii) of the FCC's Rules and Regulations.

CATEGORY II

The term "Category II" denotes Access Services not covered by Part 68 of the FCC's Rules and Regulations. These services include those access services where protection is incidentally supplied in the normal provision of the service.

CATEGORY III

The term "Category III" denotes the Special Access Services that are equivalent to the services that are defined in Part 68.2 (a) (iii) of the FCC's Rules and Regulations.

CCS

The term "CCS" denotes a hundred call seconds which is a standard unit of traffic load that is equal to 100 seconds of usage or capacity of a group of servers (e.g., trunks).

CENTRAL OFFICE

The term "Central Office" denotes a local Company switching system where Telephone Exchange Service customer station loops are terminated for purposes of interconnection to each other and to trunks.

CENTRAL OFFICE PREFIX

The term "Central Office Prefix" denotes the first three digits (NXX) of the seven digit telephone number assigned to an End User's Telephone Exchange Service when dialed on a local basis.

CENTRALIZED AUTOMATIC REPORTING ON TRUNKS (CAROT) TESTING

The term "Centralized Automatic Reporting on Trunks (CAROT) Testing" denotes a type of testing which includes the capacity for measuring operational and transmission testing.

CHANNEL(S)

The term "Channel(s)" denotes an electrical or photonic, in the case of fiber optic based transmission systems, communications path between two or more points of termination.

CHANNELIZE

2. GENERAL REGULATIONS (CONT'D)

2.6 Definitions (Cont'd)

The term "Channelize" denotes the process of multiplexing-demultiplexing voice channels using analog or digital techniques.

CHARGEABLE CALL

See Access Minutes.

C-MESSAGE NOISE

The term "C-Message Noise" denotes the frequency weighted average noise within an idle voice channel. The frequency weighting, called C-message, is used to simulate the frequency characteristic of the 500-type telephone set and the hearing of the average subscriber.

C-NOTCHED NOISE

The term "C-Notched Noise" denotes the C-message frequency weighted noise on a voice channel with a holding tone, which is removed at the measuring end through a notch (very narrow band) filter.

COIN STATION

The term "Coin Station" denotes a location where Company equipment is provided in a public or semi-public place where Company customers can originate telephonic communications and pay the applicable charges by inserting coins in the equipment.

COMMON LINE

The term "Common Line" denotes a line, trunk, pay telephone line or other facility provided under the general subscriber service tariff(s) of the Company, terminated on a central office switch and which may be used to make and receive exchange service calls, intrastate message service calls or interstate message service calls no matter if the Customer causes the line, trunk or facility to be arranged to prohibit any type of calls to be made or received. A common line-residence is a line or trunk provided under the residence regulations of the general subscriber service tariff(s). A common line-business is a line provided under the business regulations of the general subscriber service tariff(s). A common line pay telephone is a line provided under the public, semi-public and coinless service regulations of the general subscriber service tariff(s).

COMMUNICATIONS SYSTEM

The term "Communications System" denotes channels and other facilities which are capable of communications between terminal equipment provided by other than the Company or Company stations.

CUSTOMER LOCATION

The term "Customer Location" denotes an IC premises within the Local Access Transport Area (LATA).

DATA TRANSMISSION (107 TYPE) TEST LINE

The term "Data Transmission (107 Type) Test Line" denotes an arrangement which provides for a connection to a signal source which provides test signals for one-way testing of data and voice transmission parameters.

DECIBEL (dB)

The term "Decibel" denotes a unit used to express relative difference in power, usually between acoustic or electric signals, equal to ten (10) times the common logarithm of the ratio of two signal powers.

DECIBEL REFERENCE NOISE C-MESSAGE WEIGHTING

The term "Decibel Reference Noise C-Message weighting" denotes noise power measurements with C-Message weighting in decibels relative to a reference 1000 Hz tone of 90 dB below 1 milliwatt.

DECIBLE REFERENCE NOISE C-MESSAGE REFERENCED TO 0

The term "Decibel Reference Noise C-Message Referenced to 0" denotes noise power in "Decibel Reference Noise C-Message Weighting" referred to or measured at a zero transmission level point.

DETAIL BILLING

The term "Detail Billing" denotes the listing of each message and/or rate element for which charges to an IC or End User are due on a bill prepared by the Company.

2. GENERAL REGULATIONS (CONT'D)

2.6 Definitions (Cont'd)

DIRECTORY ASSISTANCE (INTRASTATE)

The term "Directory Assistance" denotes the provision of telephone numbers by an operator when the operator location is accessed by an End User by dialing (NPA) 555-1212.

DUAL TONE MULTIFREQUENCY ADDRESS SIGNALING

The term "Dual Tone Multifrequency Address Signaling" denotes a type of signaling that is an optional feature of Switched Access Feature Group A. It may be utilized when Feature Group A is being used in the terminating direction (from the point of interface with the IC to the local exchange end office). An office arranged for Dual Tone Multifrequency Signaling would expect to receive address signals from the IC in the form of Dual Tone Multifrequency signals.

ECHO CONTROL

The term "Echo Control" denotes the control of reflected signals in a telephone transmission path.

ECHO PATH LOSS (EPL)

The term "Echo Path Loss" denotes the measure of reflected signal at a 4-wire point of interface without regard to the send and receive Transmission Level Point (TLP).

ECHO RETURN LOSS (ERL)

The term "Echo Return Loss" denotes a frequency weighted measure of return loss over the middle of the voiceband (approximately 500 to 2500 Hz), where talker echo is most annoying.

EFFECTIVE 2-WIRE

The term "Effective 2-Wire" denotes a condition which permits the simultaneous transmission in both directions over a channel, but it is not possible to insure independent information transmission in both directions. Effective 2-wire channels may be terminated with 2-wire or 4-wire interfaces.

EFFECTIVE 4-WIRE

The term "Effective 4-Wire" denotes a condition which permits the simultaneous independent transmission of information in both directions over a channel. The method of implementing effective 4-wire transmission is at the discretion of the Company (physical, time domain, frequency-domain separation or echo cancellation techniques). Effective 4-wire channels may be terminated with a 2-wire interface at the customer premises or central office, but not at the IC point of interface. However, when terminated 2-wire, simultaneous independent transmission cannot be supported.

END OFFICE SWITCH

The term "End Office Switch" denotes a local Company switching system where Telephone Exchange Service customer station loops are terminated for purposes of interconnection to each other and to trunks. Included are Remote Switching Modules and Remote Switching Systems served by a host office in a different wire center.

END USER

The term "End User" denotes any individual, partnership, association, corporation, governmental agency or any other entity which (A) obtains a common line, uses a pay telephone or obtains intrastate service arrangements in the operating territory of the Company or (B) subscribes to intrastate service(s) provided by an IC or uses the services of the IC when the IC provides intrastate service(s) for its own use.

ENTRY SWITCH

See First Point of Switching.

ENVELOPE DELAY DISTORTION

The term "Envelope Delay Distortion" denotes a measure of the linearity of the phase versus frequency of a channel. It is the maximum variation over a band of frequencies of the envelope delay, which is the derivative of the phase with respect to frequency.

EQUAL LEVEL ECHO PATH LOSS

2. GENERAL REGULATIONS (CONT'D)

2.6 Definitions (Cont'd)

The term "Equal Level Echo Path Loss" denotes the measure of Echo Path Loss (EPL) at a 4-wire interface which is corrected by the difference between the send and receive TLP. (ELEPL = EPL - TLP (send) + TLP (receive)).

ESTIMATED COST

The term "Estimated Cost" denotes the estimated costs that will be incurred in providing a specific case of special construction, including any appropriate taxes.

EXCHANGE

The term "Exchange" denotes a unit established by the Company for the administration of communications service in a specified area which usually embraces a city, town or village and its environs. It consists of one or more central offices together with the associated facilities used in furnishing communications service within that area.

EXPECTED MEASURED LOSS (EML)

The term "Expected Measured Loss" denotes a calculated loss which specifies the end-to-end 1004-Hz transducer loss on a terminated test connection between two readily accessible manual or remote test points. It is the sum of the inserted connection loss and test access loss including any test pads.

FACILITIES

The term "Facilities" denotes any cable, fiber optics, poles, conduit, microwave or carrier equipment, wire center distribution frames, central office switching equipment, computers (both hardware and software), business machines, etc., utilized to provide (1) the services offered under this Tariff or (2) the services provided by an IC for its own use or for an IC customer's use.

FACILITY BASED INTEREXCHANGE CARRIER

The term "Facility Based Interexchange Carrier" denotes a certified Interexchange Carrier that completes/terminates calls utilizing owned and/or leased facilities and/or resold local exchange company services in lieu of or in addition to resold MTS/WATS or interLATA MTS/WATS type services.

FEATURE GROUP D SIGNALING

The term "Feature Group D Signaling" denotes the signaling system which is used, by equal access end offices, to transmit originating information and address digits to the IC's premises. Features of this system include overlap outpulsing, identification of the type of call, identification of the ten-digit telephone number of the calling party, and acknowledgment wink supervisory signals.

FIELD IDENTIFIER

The term "Field Identifier" denotes two to four characters that are used on service orders to convey specific instructions. Field Identifiers may or may not have associated data. Selected Field Identifiers are used in Company billing systems to generate non-recurring charges.

FIRST POINT OF SWITCHING (FP OF S)

The term "First Point of Switching" denotes the first Company location at which switching occurs on the terminating path of a call proceeding from the IC terminal location to the terminating end office and, at the same time, the last Company location at which switching occurs on the originating path of a call proceeding from the originating end office to the IC terminal location.

FREQUENCY SHIFT

The term "Frequency Shift" denotes the change in the frequency of a tone as it is transmitted over a channel.

GRANDFATHERED

The term "Grandfathered" denotes station or switching equipment directly connected to the facilities utilized to provide services under the provisions of this Tariff, and which are considered grandfathered under Part 68 of the FCC Rules and Regulations.

HOST OFFICE

2. GENERAL REGULATIONS (CONT'D)

2.6 Definitions (Cont'd)

The term "Host Office" denotes an electronic switching system which provides call processing capabilities for one or more Remote Switching Modules or Remote Switching Systems.

IC TERMINAL LOCATION

The term "IC Terminal Location" denotes a location within a LATA (Point of Presence) from which the IC (1) provides and/or administers telecommunications services for its own use or for the use of its customers (End Users) and (2) has the capability of testing the facilities operated or terminated at that location.

IMPEDANCE BALANCE

The term "Impedance Balance" denotes the method of expressing Echo Return Loss and Singing Return Loss at a four-wire interface whereby the gains and/or losses of the four-wire portion of the transmission path, including the hybrid, are not included in the specification.

IMPULSE NOISE

The term "Impulse Noise" denotes any momentary occurrence of the noise on a channel over a specified level threshold. It is evaluated by counting the number of occurrences, which exceed the threshold.

INDIVIDUAL CASE BASIS (ICB)

The term "Individual Case Basis" denotes a condition where the regulations, if applicable, rates and charges for an offering under the provisions of this Tariff are developed based on the circumstances in each case.

INSERTED CONNECTION LOSS

The term "Inserted Connection Loss" denotes the 1004 Hz power difference (in dBs) between the maximum power available at the originating end and the actual power reaching the terminating end through the inserted connection.

INSTALLED COST

The term "Installed Cost" denotes the total investment (estimated or actual) required by the Company to provide specially constructed facilities.

INTERMODULATION DISTORTION

The term "Intermodulation Distortion" denotes a measure of the nonlinearity of a channel. It is measured using 4 tones, and evaluating the ratios (in dBs) of the transmitted composite 4-tone signal power to the second-order products of the tones (R2), and the third-order products of the tones (R3).

INTEREXCHANGE CARRIER(S) (IC)

The term "Interexchange Carrier(s)" denotes any individual, partnership, corporation, association, or governmental agency, or any other entity, which subscribes to the services offered under this Tariff and is authorized by the North Carolina Utilities Commission by policy statement or certification to provide intrastate telecommunications services for its own use or for the use of its customers. The term "Interexchange Carrier(s)" is not to be construed to include WATS and private line customers unless said customers are certified public utilities.

INTRASTATE COMMUNICATIONS

The term "Intrastate Communications" denotes any communications in North Carolina subject to oversight by the North Carolina Utilities Commission as provided by the laws of the State.

JOINTLY USED SUBSCRIBER PLANT

The term "Jointly Used Subscriber Plant" denotes the local nontraffic sensitive Telephone Exchange Service facilities furnished in connection with Switched Exchange Access provided to an IC to complete a call via an IC's intercity network to or from Telephone Exchange Service locations.

LINE SIDE CONNECTION

The term "Line Side Connection" denotes a connection of a transmission path to the line side of a local exchange switching system.

2. GENERAL REGULATIONS (CONT'D)

2.6 Definitions (Cont'd)

LOCAL ACCESS AND TRANSPORT AREA (LATA)

The term "Local Access and Transport Area" denotes a geographic area established by the Company for the administration of communications service. It encompasses designated exchanges, which are grouped to serve common social, economic and other purposes.

LOCAL TANDEM SWITCH

The term "Local Tandem Switch" denotes a local Company operating unit by means of which local or access telephonic communication is switched to and from an End Office Switch.

LOOP AROUND TEST LINE

The term "Loop Around Test Line" denotes an arrangement in an end office which provides a means for making two-way transmission tests on a manual basis. This arrangement has two terminations, each reached by means of separate seven-digit numbers.

LOSS DEVIATION

The term "Loss Deviation" denotes the variation of the actual loss from the designed value.

MAXIMUM TERMINATION LIABILITY (MTL)

The term "Maximum Termination Liability" denotes the maximum amount which may be billed if all services using specially constructed facilities are terminated prior to the expiration of the Maximum Termination Liability period.

MAXIMUM TERMINATION LIABILITY PERIOD

The term "Maximum Termination Liability Period" denotes the length of time for which a termination charge may apply if all services using specially constructed facilities are terminated. The filed Maximum Termination Liability period is equal to the average account life of the specially constructed facilities.

MESSAGE

The term "Message" denotes a "call" as defined preceding.

MILLIWATT (102 TYPE) TEST LINE

The term "Milliwatt (102 Type) Test Line" denotes an arrangement in an end office which provides a 1004 Hz tone at 0 dBm0 for one-way transmission measurements towards the IC terminal location from the Company end office.

MINUTES OF USE

See Access Minutes.

MOBILE TELEPHONE SWITCHING OFFICE (MTSO)

The term "Mobile Telephone Switching Office (MTSO)" denotes a Cellular Mobile Carrier (CMC) switching system that is used to terminate mobile stations for purposes of interconnection to each other and to trunks interfacing with the public switched network.

NET SALVAGE

The term "Net Salvage" denotes the estimated scrap, sale, or trade-in value, less the estimated cost of removal. Cost of removal includes the costs of demolishing, tearing down, or otherwise disposing of the material and any other applicable costs. Since the cost of removal may exceed salvage value, net salvage may be negative.

NETWORK CONTROL SIGNALING

The term "Network Control Signaling" denotes the transmission of signals used in the telecommunications system which perform functions such as supervision (control, status, and charge signals), address signals (e.g., dialing), calling and called number identifications, rate of flow, service selection error control and audible tone signals (call progress signals indicating re-order or busy conditions, alerting, coin denominations, coin collect and coin return tones) to control the operation of switching machines in the telecommunications system.

NETWORK INTERFACE

2. GENERAL REGULATIONS (CONT'D)

2.6 Definitions (Cont'd)

The term "Network Interface" denotes the point of demarcation on the End User's premises at which the Company's responsibility for the provision of Access Services end.

NON-FACILITY-BASED INTEREXCHANGE CARRIER

The term "Non-Facility-Based Interexchange Carrier" denotes a certified Interexchange Carrier that completes/terminates calls solely utilizing resold MTS/WATS or interLATA MTS/WATS type services.

NON-RECOVERABLE COST

The term "Non-Recoverable Cost" denotes the cost of specially constructed facilities for which the Company has no foreseeable use should the service be terminated.

NON-SYNCHRONOUS TEST LINE

The term "Non-Synchronous Test Line" denotes an arrangement in step-by-step end offices which provides operational tests which are not as complete as those provided by the synchronous test lines, but which can be made more rapidly.

NORMAL CONSTRUCTION

The term "Normal Construction" denotes all facilities the Company would normally use to provide service in the absence of a request for special construction.

NORMAL COST

The term "Normal Cost" denotes the estimated cost to provide services using normal construction.

NORTH AMERICAN NUMBERING PLAN (NANP)

The term "North American Numbering Plan" denotes a 3-digit area or Numbering Plan Area (NPA) code and a 7-digit telephone number made up of a 3-digit Central Office (CO) code plus a 4-digit station number.

OFF-HOOK

The term "Off-hook" denotes the active condition of Switched Access or a Telephone Exchange Service line.

ON-HOOK

The term "On-hook" denotes the idle condition of Switched Access or a Telephone Exchange Service line.

OPEN CIRCUIT TEST LINE

The term "Open Circuit Test Line" denotes an arrangement in an end office which provides an AC open circuit termination of a trunk or line by means of an inductor of several Henries.

ORIGINATING DIRECTION

The term "Originating Direction" denotes the use of access service for the origination of calls from an End User to an IC terminal location. General Regulations

OVERLAP OUTPULSING

The term "Overlap Outpulsing" denotes the feature of the Exchange Access Signaling System which permits initiation of pulsing to the IC's premises before the calling subscriber has completed dialing an originating call.

PAY TELEPHONE

The term "Pay Telephone" denotes Company provided equipment and related facilities that are available to the general public for public convenience and necessity, including public and semipublic telephones, and coinless telephones.

PHASE JITTER

The term "Phase Jitter" denotes the unwanted phase variations of a transmitted signal.

POINT OF INTERFACE

The term "Point of Interface" denotes a demarcation point, at the IC terminal location, between Company provided and IC provided services.

2. GENERAL REGULATIONS (CONT'D)

2.6 Definitions (Cont'd)

POINT OF PRESENCE

See IC Terminal Location

PREMISES

The term "Premises" denotes the building or portions of a building occupied by a single IC or End User either as a place of business or residence. Adjacent buildings and the buildings on the same continuous property occupied by the IC or End User, not separated by a public thoroughfare, are also considered the IC's or End User's premises.

RECOVERABLE COST

The term "Recoverable Cost" denotes the cost of the specially constructed facilities for which the Company has a foreseeable reuse, either in place or elsewhere, should the service be terminated.

REMOTE SWITCHING MODULES (RSM) AND/OR REMOTE SWITCHING SYSTEMS (RSS)

The term "Remote Switching Modules and/or Remote Switching Systems" denotes small, remotely controlled electronic end office switches which obtain their call processing capability from an ESS type Host Office. The RSM/RSS cannot accommodate direct trunks to an IC.

RETURN LOSS

The term "Return Loss" denotes a measure of the similarity between the two impedances at the junction of two transmission channels (e.g., four to two-wire junctions). The higher the return loss, the higher the similarity.

REGISTERED EQUIPMENT

The term "Registered Equipment" denotes the IC's or the IC's customer's premises equipment (CPE) which complies with and has been approved within the Registration Provisions of Part 68 of the FCC Rules and Regulations.

SECONDARY CHANNEL

The term "Secondary Channel" denotes an optional, low bit rate, digital channel transmission path derived from a primary Digital Data Access Services channel. Terminal equipment required to support Secondary Channel Capability must be provided by the end user.

SERVICE ACCESS CODE (SAC)

The term "Service Access Code (SAC)" denotes the 700, 800 and 900 NXX numbers administered by the company as part of the North America Numbering Plan.

SERVICE TERMINATING ARRANGEMENT

The term "Service Terminating Arrangement" denotes equipment furnished by the Company which is utilized for the termination of Company provided Access Service. Such "Service Terminating Arrangement" provides a clearly delineated interface which facilitates the design, isolation, and testing of the Access Service where the service is connected with IC or End User provided communications systems.

SEVEN DIGIT MANUAL TEST LINE

The term "Seven Digit Manual Test Line" denotes an arrangement which allows the IC to select balance, milliwatt and synchronous test lines, by manually dialing a seven digit number over the associated access connection.

SHORT CIRCUIT TEST LINE

The term "Short Circuit Test Line" denotes an arrangement in an end office which provides an AC short circuit termination of the trunk or line by means of a capacitor of at least 4 microfarads.

SIGNAL-TO-C-NOTCHED NOISE RATIO

The term "Signal-to-C-Notched Noise Ratio" denotes the ratio in dB of a tone signal to the corresponding C-Notched Noise.

SINGING RETURN LOSS (SRL)

2. GENERAL REGULATIONS (CONT'D)

2.6 Definitions (Cont'd)

The term "Singing Return Loss" denotes the frequency weighted measure of return loss at the edges of the voiceband (200 to 500 Hz and 2500 to 3200 Hz), where singing (instability) problems are most likely to occur.

SYNCHRONOUS TEST LINE

The term "Synchronous Test Line" denotes an arrangement in an end office which performs marginal operational tests of supervisory and ring-tripping functions.

TERMINATING DIRECTION

The term "Terminating Direction" denotes the use of Access Service for the completion of calls from an IC terminal location to an End User.

TERMINATION CHARGE

The term "Termination Charge" denotes the portion of the Maximum Termination Liability that is applied as a nonrecurring charge when all services are discontinued prior to the expiration of the specified liability period.

TOLL VOIP-PSTN TRAFFIC

The term "Toll VoIP-PSTN Traffic" denotes a customer's interexchange voice traffic exchanged with the Company in Time Division Multiplexing format over PSTN facilities, which originates and/or terminates in Internet Protocol (IP) format. "Toll VoIP-PSTN Traffic" originates and/or terminates in IP format when it originates from and/or terminates to an end user customer of a service that requires IP-compatible customer premises equipment.

TRADITIONAL SIGNALING

The term "Traditional Signaling" denotes the Intermachine Signaling System which has been traditionally used in North America for the purpose of transmitting the called number's address digits from the originating end office to the switching machine which will terminate the call. In this system, all of the dialed digits are received by the originating switching machine, a path is selected, and the sequence of supervisory signals and outpulsed digits is initiated. No overlap outpulsing, ten digit ANI or ANI information digits are included in this signaling sequence. Acknowledgment wink is required from the terminating switching machine except when the originating switching machine is SXS.

TRANSMISSION MEASURING (105 TYPE) TEST LINE/RESPONDER

The term "Transmission Measuring (105 Type) Test Line/Responder" denotes an arrangement in an end office which provides far-end access to a responder and permits two-way loss and noise measurements to be made on trunks from a near end office.

TRANSMISSION PATH

The term "Transmission Path" denotes an electrical path capable of transmitting signals within the range of the service offering, e.g., a voice grade transmission path is capable of transmitting voice frequencies within the approximate range of 300 to 3000 Hz. A transmission path is comprised of physical or derived facilities consisting of any form or configuration of plant typically used in the telecommunications industry.

TRANSMISSION PERFORMANCE

The term "Transmission Performance" denotes the immediate action limits beyond which the Company will accept an IC's trouble report and take corrective action.

TRUNK

The term "Trunk" denotes a communications path connecting two switching systems in a network, used in the establishment of an end-to-end connection.

TRUNK GROUP

The term "Trunk Group" denotes a set of trunks which are traffic engineered as a unit for the establishment of connections between switching systems in which all of the communications paths are interchangeable.

2. GENERAL REGULATIONS (CONT'D)

2.6 Definitions (Cont'd)

TRUNK SIDE CONNECTION

The term "Trunk Side Connection" denotes the connection of a transmission path to the trunk side of a local exchange switching system.

TWO-WIRE TO FOUR-WIRE CONVERSION

The term "Two-Wire to Four-Wire Conversion" denotes an arrangement which converts a four-wire transmission path to a two-wire transmission path to allow a four-wire facility to terminate in a two-wire entity such as a central office switch trunk circuit or switching system.

UNIFORM SERVICE ORDER CODE

The term "Uniform Service Order Code" denotes a three or five character alphabetic, numeric, or an alphanumeric code that identifies a specific item of service or equipment. Uniform Service Order Codes are used in the Company billing system to generate recurring rates and nonrecurring charges.

UNDERUTILIZATION LIABILITY

The term "Underutilization Liability" denotes a per unit charge which may be billed if fewer services are in use utilizing specially constructed facilities at filed tariff rates at the end of an Initial Liability Period, or annually thereafter, than were originally specially constructed.

V AND H COORDINATES METHOD

The term "V and H Coordinates Method" denotes a method of computing airline miles between two points by utilizing an established formula which is based on the Vertical (V) and Horizontal (H) coordinates of the two points.

WIRE CENTER

The term "Wire Center" denotes a building in which one or more central offices, used for the provision of Telephone Exchange Services, are located.

500 SERVICE PROVIDER

The term "500 Service Provider" refers to an IC purchasing 500 Access Service for use in the provision of Personal Communication Service. A 500 Service Provider must have been assigned a 500 NXX by the North American Numbering Plan Administrator.

800 DATABASE

The term "800 Database" refers to the use of database technology to determine to which IC an originating 800 call is to be delivered. With the exception of 800 calls to Canada, Bermuda, and the Bahamas, the 800 Database routes calls to an IC based on the dialed ten digit 800 number. Routing for 800 calls to these areas will be based on the first six digits of the dialed 800 number.

3. CARRIER COMMON LINE ACCESS

The Company will provide Carrier Common Line Access Service (Carrier Common Line Access) to ICs.

3.1 General Description

A. Carrier Common Line Access provides for the use of Company common lines by ICs for access to end users to furnish IC intrastate telecommunications service.

B. Carrier Common Line Access is provided where the IC obtains Company Switched Access Services under this Tariff.

C. Premium Access is (1) Switched Access Service provided to ICs under this Tariff which furnish intrastate MTS/WATS and (2) Switched Access Service in an end office converted to Equal Access.

D. Non-Premium Access is Switched Access Service provided in an end office not yet converted to equal access to ICs that do not furnish Intrastate MTS/WATS.

E. Non-Premium Access is Switched Access Service provided in an end office not yet converted to equal access for FGA FX/ONAL service.

3.2 Limitations

A. A telephone number is not provided with Carrier Common Line Access.

B. Detail billing is not provided for Carrier Common Line Access.

C. Directory listings are not included in the rates and charges for Carrier Common Line Access.

D. Intercept arrangements are not included in the rates and charges for Carrier Common Line Access.

E. Switched Access Service Access minutes which originate from or terminate to a Dedicated Access Line (DAL) will be excluded from the Carrier Common Line Access minutes.

3.3 Undertaking of the Company

A. Where the IC is provided with Switched Access Service under other sections of this Tariff, the Company will provide the use of Company common lines by an IC for access to end users at rates and charges as set forth in 22. following.

B. Where the IC is reselling MTS/WATS or MTS/WATS-type services, the Company, when the IC orders line side or trunk side switched access, will provide Switched Access Service under this Tariff. Carrier Common Line Access charge will apply for such access as set forth in 22.1 following. Additionally, the Rates and Regulations for Switched Access Service as set forth in 6. following will apply.

C. Where the IC is reselling MTS/WATS-type services of an IC and the Company provides a Special Access Service, other than Dedicated Access Line Service, for the resold service terminated at the IC terminal location, the Company will, when the IC offering the resold service orders any switched access, provide Special Access Service as set forth in 7.4.2.B. following, Switched Access Service as set forth in 6. Carrier Common Line Access rates and charges as set forth in 22.1. apply in accordance with regulations as set forth in 3.6.E. and 3.6.F. following.

D. The Switched Access Service provided by the Company includes the Switched Access Service provided for both interstate and intrastate communications and the Carrier Common Line Access rates and charges as set forth in 22.1 following apply in accordance with the regulations as set forth in 3.6.E. following.

3. CARRIER COMMON LINE ACCESS (CONT'D)

3.4 Obligations of the IC

A. The Switched Access Service associated with Carrier Common Line Access shall be ordered by the IC under other sections of this Tariff.

B. The IC facilities at the IC terminal location shall provide the necessary on-hook and off-hook supervision.

C. All Switched Access Service provided under this Tariff ordered by an IC will be subject to Carrier Common Line Access charges.

D. When the IC reports interstate and intrastate use of Switched Access Service, the associated Carrier Common Line Access used by the IC for both interstate and intrastate will be determined as set forth in 3.6.E. following.

E. Where Feature Group C Switched Access Service is provided without Company recording and the IC records minutes of use which will be used to determine Carrier Common Line Access charges (i.e., Feature Group C operator and TSPS calls such as pay telephone sent-paid, operator-DDD, operator-person, collect, credit-card, third number and/or other like calls), the IC shall furnish such minutes of use detail to the Company billing entity (billing entity) in a timely manner. If the IC does not furnish the data to the billing entity, the IC shall identify all Switched Access Services which could carry such calls in order for the billing entity to accumulate the minutes of use through the use of special Company measuring and recording equipment.

F. When the IC uses a line side or trunk side Switched Access Service provided under this Tariff in association with the resale of an IC service that is provided through the use of Dedicated Access Line Service provided under this Tariff (i.e., resale of WATS), the IC will be charged the Carrier Common Line Access charges.

3.5 Payment Arrangements

A. The Company will bill the Carrier Common Line Access. The bill day (i.e., the billing date of the bill) in a month for each IC account will be established by the Company. Payment is due from the IC 31 days after the bill day date (payment date) or by the next bill date (i.e., same date in the following month as the bill date), whichever is the shortest interval, and is payable in immediately available funds. If such payment date is a Saturday, Sunday or holiday (i.e., New Year's Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, the second Tuesday in November, and a day when Washington's Birthday, Memorial Day or Columbus Day is legally observed), payment will be due from the IC as follows:

1. If such payment date falls on a Sunday or on a holiday which is observed on a Monday, the payment date shall be the first non-holiday day following such Sunday or holiday. If such payment date falls on a Saturday or on a holiday which is observed on Tuesday, Wednesday, Thursday or Friday, the payment date shall be the last non-holiday day preceding such Saturday or holiday.

B. Further, if any portion of the Carrier Common Line Access payment is received by the Company after the payment date as set forth in A. preceding, or if any portion of the Carrier Common Line Access payment is received by the Company in funds which are not immediately available to the Company, then a late payment penalty shall be due to the Company. The late payment penalty shall be the portion of the Carrier Common Line Access payment not received by the payment date times a late factor. The late factor shall not exceed the rate of one percent per month.

C. In the event a billing dispute concerning a month's Carrier Common Line Access billed to the IC by the Company is resolved in favor of the Company, any payments withheld pending settlement of the dispute shall be subject to the late payment penalty set forth in B. preceding. If the billing dispute is resolved in favor of the IC, no late payment penalty will apply to the disputed amount.

3. CARRIER COMMON LINE ACCESS (CONT'D)

3.6 Rate Regulations

A. The Carrier Common Line Charges will be billed per access minute to each IC Switched Access Service provided under this Tariff in accordance with the regulations as set forth in B., C., F. and G. following.

B. The access minutes which are used to determine the Carrier Common Line Charges, will be accumulated using call detail recorded by Company equipment except as set forth in C. following and Feature Group C operator and TSPS call detail such as pay telephone sent-paid, operator-DDD, operator-person, collect, credit-card, third number and/or other like calls recorded by the IC. The Company measuring and recording equipment except as set forth in C. following will be associated with end office or local tandem switching equipment and will record each originating and terminating access minute where answer supervision is received. The accumulated access minutes will be summed by line group or end office, whichever type of account is used by the Company, for each IC and then rounded to the nearest minute. For FX/ONAL Feature Group A, the access minutes will be reported on a line by line basis.

C. When Carrier Common Line Access is provided in association with Feature Group A and B Switched Access Service in Company end offices that are not equipped for measurement capabilities, an assumed average access minutes will be used to determine the Carrier Common Line charges. The assumed average access minutes are as follows:

1. When a Switched Access Service is provided where neither the originating access minutes nor the terminating access minutes are measured, the assumed average access minutes are 4076 minutes for each such FX/ONAL provided and 9000 minutes for each MTS/WATS-type Feature Group A and B Switched Access Service. When originating only Switched Access Service is provided where the originating access minutes are not measured, the originating assumed average access minutes are 4076 and 9000 minutes respectively for FX/ONAL and MTS/WATS-type service, no terminating access minutes will apply. When terminating only Switched Access Service is provided where the terminating access minutes are not measured, the terminating access minutes are 4076 and 9000 minutes respectively for FX/ONAL and MTS/WATS-type service, no originating access minutes will apply.
2. When a Switched Access Service arranged for both originating and terminating use is provided where terminating access minutes are measured but the originating access minutes are not measured, the assumed average originating access minutes are 2297 and 4500 originating minutes respectively for each FX/ONAL and MTS/WATS-type Switched Access Service provided.
3. When a Switched Access Service arranged for both originating and terminating use is provided where originating access minutes are measured but the terminating access minutes are not measured, the assumed average terminating access minutes are 1779 and 4500 terminating minutes respectively for each FX/ONAL and MTS/WATS-type Switched Access Service provided.
4. When Foreign Exchange Service is provided as Feature Group A Switched Access it is an MTS/WATS-type equivalent.

The assumed average access minutes as set forth in 1., 2., 3. and 4. preceding apply in the operating area of the Company except when the Company specifies a different number of assumed average access minutes as set forth in 6.7.8. following. When the Company specifies a different number of assumed average access minutes in 6.7.8. following, the appropriate assumed average access minutes as set forth in 6.7.8. following will be used in lieu of the assumed average access minutes as set forth in 1., 2., 3. and 4. preceding in that Company's operating area to determine the Carrier Common Line Charges for the Switched Access Service involved.

3. CARRIER COMMON LINE ACCESS (CONT'D)

3.6 Rate Regulations (Cont'd)

D. Application of Credit for Resold Intrastate MTS

1. The Company, upon receipt of written notification from the IC, will credit the IC's access charges for resold MTS or MTS-type services associated with FGA, B or D lines or trunks for which access charges are applicable.
2. The IC is to report the total intrastate MTS or MTS-type minutes associated with FGA, B or D lines or trunks on a calendar month basis.
3. The credit shall apply for originating access minutes only.
4. The IC shall maintain and retain for a minimum of one year, complete, detailed and accurate records, workpapers and backup documentation in form and substance to evidence the resold MTS or MTS-type data provided to the Company as set forth in 1. preceding. All of the records, workpapers and backup documentation shall be made available during normal business hours upon reasonable notification by the Company in order to permit a review by the Company Auditor, or outside Auditor under contract to the Company, or an Auditor of the appropriate State Regulatory Authority.
5. The IC's written notification shall be presented to the Company no later than 15 days after the first of February, May, August and November for the quarter ending the last day of December, March, June and September respectively.
6. No credit shall be given if written notification from the IC is not received as set forth in 5. preceding.

E. When the IC reports interstate and intrastate use of Switched Access Service, the Carrier Common Line Access minutes will be adjusted as follows. The Carrier Common Line Access minutes developed by the billing entity will be multiplied by the intrastate percentage reported by the IC as set forth in 2.3.14. The result will, then be adjusted as set forth in 6.7.13 following for the appropriate calculations of premium, non premium or transitional rates. This result will then be used to determine the Carrier Common Line Charges as set forth in F. following.

F. After the adjustments as set forth in E. preceding have been applied, when necessary, to the Carrier Common Line Access minutes, the charges for the involved IC account will be determined as follows:

1. The access minutes for a Facility Based Interexchange Carrier and/or Non-Facility-Based Interexchange Carrier will be multiplied by the Carrier Common Line Charges as set forth in 22. following to determine the charges.

4. RESERVED FOR FUTURE USE

5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE

5.1 General

5.1.1 Scope

A. This section sets forth the regulations and order related charges for Access Orders and Planned Facilities Orders for Switched and Special Access Services. These charges are in addition to other applicable charges as set forth in other sections of this Tariff.

B. An Access Order is an order to provide the IC with Switched Access Service or Special Access Service or to provide changes to existing services. A Planned Facilities Order is an order to make facilities available on an established activation date for an IC's future Access Service needs.

C. For purposes of ordering Access Service, an end user who orders Access Service will be considered to be an IC and will be required to provide the same information that a non-end user IC must provide when placing an order.

5.1.2 Ordering Conditions

A. An IC may order any number of services of the same type (e.g., Feature Group, interface group, facility type, etc.) between the same locations (i.e., the IC terminal location and end office Hub or end user's premises; two IC terminal locations: an end user premises and a WATS serving office, etc.) on a single Access Order or Planned Facilities Order.

B. The IC shall supply all the necessary information to provide service, e.g., IC name and terminal location, end user name and location, facility interface, etc. All details for a particular order must be identical except for those for multipoint service. The minimum order requirements are set forth in 5.2 and 5.4 following.

C. Orders for Feature Group A Switched Access Service must be in multiples of 30 busy hour minutes of capacity.

D. Dedicated Access Line Special Access Service must be ordered for use with a Feature Group C or D Switched Access Service which is in service or on order.

5.1.3 Provision of Other Services

A. Testing Service, Additional Engineering, Additional Labor, Restoration Priority and Special Routing may be ordered with an Access Order or a Planned Facilities Order as additional features at the time the order is accepted by the Company. The rates and charges for these services, as set forth in other sections of this Tariff, will apply in addition to the ordering charges set forth in this section and the rates and charges for the Access Service or Planned Facilities with which they are associated.

B. With the agreement of the Company, the items listed in A. preceding may subsequently be added to the order at any time, up to and including the service date for the Access Service or the activation date for the Planned Facilities. When added subsequently, charges for order modifications as set forth in 5.2.2 or 5.4.5 following will apply.

5.1.4 Special Construction

A. Special Construction is not an ordering option, but may be applied to either an Access Order or a Planned Facilities Order to accommodate an IC request. When special construction is required, the IC will be so notified. If the IC agrees to the special construction, a firm order will be established. If the IC does not want the service or facilities after being notified that special construction is required, the order will be withdrawn and no charges will apply. The regulations, rates and charges for Special Construction are set forth in 14. following and are in addition to the regulations, rates and charges specified in this section.

5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (CONT'D)

5.2 Access Order

A. An Access Order is used by the Company to provide to an IC Access Service as follows:

1. Switched Access Services as set forth in 6. following,
2. Special Access Services as described in 7. following, and
3. Other Services as set forth in 5.1.3 preceding.

B. When placing an order for Access Service, the IC must provide, at a minimum, the following information:

1. For Switched Access Service, the IC must specify the number of busy hour minutes of capacity (BHMC) from the IC terminal location to the end office by Feature Group and by type of BHMC. (BHMCs to a DA Bureau are ordered in the same manner). This information is forwarded to the Circuit Administration Center (CAC) for networking, then back to the IC for specifying the Interface Group and Local Switching options.
2. For all Special Access Services, except Dedicated Access Line Service, the IC must specify the IC terminal location and end user premises or Hub, the type of service (e.g. Narrowband 1, Voice Grade 3, High Capacity 1, etc.) and the facility interface combination. When ordering to a Hub, no interface combinations are required but Hub functions must be specified. For multipoint services, the facility interface at each end user premises may be different but they must all work in combination with a common facility interface at the IC terminal location.
3. For Dedicated Access Line Special Access Service, the IC must specify the end user premises, the type of facility, (i.e., two-wire or four-wire), the type of calling (i.e., originating or terminating) and the type of supervisory signaling. When the necessary screening functions are not provided at the end user serving wire center, the IC may specify, with the agreement of the Company, a specific foreign serving wire center where capacity exists.
4. 500 Access Service

   For 500 Access Service, as described in 6.2 following, the IC shall order in the same manner which is set forth preceding for ordering Feature Group C and Feature Group D, except that ICs must order FGC or FGD to all end offices within the IC designated LATA(s), either through the tandem or by direct connections to the end office.

   The IC is also responsible for reporting to the Company the percent interstate usage (PIU) for 500 Access Service as set forth in 2.3.14 preceding.
5. 800 Access Ten Digit Screening Service

   For 800 Access Ten Digit Screening Service, as described in 6.2.6 following, the IC shall order in the same manner which is set forth preceding for ordering FGD Service except that the IC must order FGD Service to all access tandems or direct connections to all end offices designated by the Company as Service Switching Points for 800 Access Ten Digit Screening Service within the LATA. Direct trunk routes cannot be provided unless the end office is equipped to provide the IC identification function. All traffic originating from end offices not equipped to provide the IC identification function require routing via the serving access tandem at which the function is available. Service must be ordered accordingly.

   The IC will also be responsible for reporting to the Company the percent interstate usage (PIU) for 800 Access Ten Digit Screening Service as set forth in 2.3 preceding.

5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (CONT'D)

5.2 Access Order (Cont'd)

B. (Cont'd)

6. 800 Number Service

When ordering 800 Number Service as described in 13.3.8 following, the IC must, at a minimum, provide the following information to the Company:

- Area of service[1]
- Name(s) of intraLATA and interLATA carrier(s), as applicable
- Access Carrier Name Abbreviation (ACNA) Code of the interLATA and intraLATA carrier, as applicable
- Activation date

When the POTS number is to be delivered to an IC, the IC must provide the full ten digit POTS number to be associated with the 800 number and must indicate to whom the POTS number is to be delivered. In addition, the IC must also provide the POTS number associated with the intraLATA portion of 800 Access Ten Digit Screening Service for subscribers who will use the Company for intraLATA 800 Access Ten Digit Screening Service.

For the transport of any intraLATA 800 call by the Company, the IC must provide the end user billing information necessary for the Company to bill the appropriate intraLATA rates.

If the IC desires any of the options available with 800 Number Service as set forth in 13.3.8 following, these must also be specified on the order for service.

7. The IC must always specify how Special Access Service is to be used so that the Company may determine the appropriate application of the Special Access Service Surcharge. The surcharge, and its applications, are described in 7.4.2 following.

C. The Company shall determine whether special construction charges apply and will so notify the IC prior to establishing a firm order.

5.2.1 Access Order Service Date Intervals

A. Access Service is provided with one of the following Service Date Intervals:

1. Standard Interval
2. Negotiated Interval
3. Short Notice Interval

[1] The standard area of service is the entire state. Other levels of area of service may be provided with the Customized Area of Service feature.

5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (CONT'D)

5.2 Access Order (Cont'd)

5.2.1 Access Order Service Date Intervals (Cont'd)

B. To the extent the Access Service can be made available with reasonable effort, the Company will provide the Access Service in accordance with the IC's requested interval subject to the following conditions.

1. Standard Interval

   a. The Company shall publish, and make available to all IC's, a schedule of Standard Intervals applicable for Switched and Special Access Services. This schedule shall specify which services and the quantities of services that can be provided within the standard intervals.

   b. Access Services provided in a Standard Interval will be installed during normally scheduled Company work hours. If an IC requests that installation be done outside of scheduled work hours, and the Company agrees to this request, the IC will be subject to applicable Additional Labor Charges as set forth in 13. following.

2. Negotiated Interval

   a. The Company will negotiate a service date interval with the IC when:

      (1) There is no Standard Interval for the service, and the Short Notice Interval is not applicable, or

      (2) The IC requests a service date beyond the applicable Standard Interval service date.

   b. The Company will offer a service date based on the type and quantity of services the IC has requested. The negotiated interval may not exceed by more than 30 days the standard interval service date, or when there is no standard interval, the Company offered service date.

   c. When the negotiated interval is shorter than that which the Company originally offered, additional charges, including but not limited to special construction charges and charges set forth in 13. following for Additional Engineering and Additional Labor may also apply.

3. Short Notice Interval

   a. The following types of Access Service will be available to an IC on a Short Notice Interval:

      (1) Intrastate Access Service required for short term Regional Special Events, including sports and entertainment, news coverage and conventions, or

      (2) Intrastate Access Service required for Government Services for Command and Control Communications and National Security and Emergency Preparedness.

   b. Intrastate Access Service for Government Services will be provided on the date requested, or as soon thereafter as possible, when the emergency falls into one of the following categories:

      (1) State of crisis declared by the National Command (includes commitments made to the "National Plan Authorities for Emergencies and Major Disasters"), or

      (2) Efforts to protect endangered U.S. personnel or property (includes space vehicle recovery and protection efforts), or

      (3) Communication requirements resulting from hostile action or a major disaster or a civil disturbance, or

   c. For Short Notice Interval Access Orders, the nonrecurring charge is two times the appropriate nonrecurring charges for the service provided as set forth in other sections of this Tariff.

5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (CONT'D)

5.2.2 Access Order Modifications

A. An Access Order may be modified by the IC prior to the service date as set forth following. One or more of the following charges will apply when such modifications are undertaken. Where modifications are undertaken, the Company may specify that the service date will be changed. All charges for access order modifications will apply on a per occurrence basis.

B. Any increase in the number of Special Access Service channels or Switched Access Service busy hour minutes of capacity will be treated as a new Access Order (for the increased amount only).

C. If order modifications are necessary to satisfy the transmission performance for a Special Access Service ordered by an IC, these changes will be made without order modification charges being incurred by the IC.

D. Service Date Change Charge

1. Access Order service dates may be changed, but the new service date may not exceed the original service date by more than 30 days. If the IC requested service date is more than 30 days after the original service date, the order will be cancelled by the Company and re-issued with appropriate cancellation charges applied. With the agreement of the Company, a new service date may be established that is prior to the original Standard or Negotiated Interval service date.
2. A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed.
3. If the service date is changed to an earlier date, an Expedited Order Charge as set forth in G. following will apply in addition to the Service Date Change Charge.

E. Partial Cancellation Charge

1. Any decrease in the number of Special Access Services, Switched Access Service busy hour minutes of capacity or Dedicated Access Lines will be treated as a partial cancellation.
2. An IC may cancel any number of Special Access Services. For Switched Access Service busy hour minutes of capacity, the amount cancelled cannot cause the order to drop below the minimum requirements as set forth in 5.1.2 preceding and 5.6 following. When the capacity cancelled brings the ordered capacity below these minimum requirements, the entire order will be cancelled.
3. A Cancellation Charge will apply on a per order per occurrence basis for the quantity cancelled. The applicable Cancellation Charge is computed as set forth in 5.2.3 following.

F. Design Change Charges

1. The IC may request a design change to the service ordered. A design change is any change to an Access Order which requires engineering review. A design change may include such things as the addition or deletion of optional features or functions or a change in the type of Transport Termination (Switched Access only), type of facility interface, type of facility or type of Access Connection Interface group. It may not include a change of IC terminal location, End User Premises, End Office Switch, or Feature Group type. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate charges applied. The design change will apply to all Special Access Service channels, or Switched Access Service busy hour minutes of capacity.
2. The Company will review the requested change, notify the IC whether the change can be accommodated and specify if a new service date is required. If the IC authorizes the Company to proceed with the design change, a Design Change Charge will apply. If the change involves the addition or deletion of optional features, nonrecurring charges as stated in 6.7.1.A.3. will apply. The Design Change Charge will apply on a per order, per occurrence basis.
3. If a change of service date is required, the Service Date Change Charge as set forth in D. preceding will also apply.

5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (CONT'D)

5.2 Access Order (Cont'd)

5.2.2 Access Order Modifications (Cont'd)

G. Expedited Order Charge

1. When placing an Access Order, an IC may request a service date that is prior to the Standard Interval Service Date. An IC may also request an earlier service date on a pending standard or negotiated interval Access Order.
2. If the Company agrees to provide service on the requested date, an Expedited Order Charge will apply.
3. To calculate the Expedited Order Charge, the total of all the nonrecurring charges associated with the order is divided by the number of days in the service date interval. The charge is applied on a per day (i.e., calendar day) of improvement basis, per order.
4. When the request for expediting occurs subsequent to the issuance of an Access Order, a Service Date Change Charge as set forth in D. preceding also applies.
5. When expediting causes the Company to incur extraordinary costs that are not recovered by the expedited order charge, the IC will be billed, on an individual case basis, an amount equal to the costs incurred in lieu of an Expedited Order Charge.

H. Other Modification Charge

1. Modifications other than those described in D., E., F. and G. preceding, may be requested by the IC. If the modification can be accommodated and implemented by the Company, an Other Modification Change Charge will apply on a per order, per occurrence basis.
2. Some of the types of modifications for which this charge will apply include, but are not limited to, the following:

   a. Change of billing address

   b. Change of telephone number

   c. Change in Hunt Group Arrangement

   d. Change in Nonhunting Number of Hunt Group Arrangement

   e. Change of Jurisdiction (i.e., breakdown between intrastate and interstate minutes of use for Switched Access Services)

5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (CONT'D)

5.2 Access Order (Cont'd)

5.2.3 Cancellation of an Access Order

A. An IC may cancel an Access Order for the installation of service on any day prior to the service date. The cancellation date is the date the Company receives written or verbal notice from the IC that the order is to be cancelled. The verbal notice must be followed by written confirmation within 10 days.

If an IC or an end user is unable to accept Access Service within 30 calendar days of the original service date, the IC has the choice of the following options:

1. The Access Order shall be cancelled and charges set forth in 5.2.3.C. following will apply, or
2. Billing for the service will commence.

In such instances, the cancellation date or the billing date, depending on which option is selected by the IC, shall be the 31st day beyond the original service date of the Access Order.

B. Access Order costs are considered to have started when the Company incurs any cost in connection therewith or in preparation thereof which would not otherwise have been incurred. These costs include, but are not limited to preliminary engineering, orders to suppliers and other similar items of cost. For purposes of determining Cancellation Charges, the costs are considered to have started on the order date (i.e., the day the Company gives a firm order confirmation to the IC).

C. When an IC cancels an Access Order for the installation of service, a Cancellation Charge will apply on a per order basis. The cancellation charge is calculated by multiplying the total of the non-recurring charges associated with all items on the Access Order by the number of calendar days elapsed since the order date and dividing that figure by the number of days in the service interval (i.e., the number of days between the order date and the service date). The resulting amount is the cancellation charge. When determining the charge for a partial cancellation as set forth in 5.2.2.E preceding, only those nonrecurring charges associated with the portion of the order being cancelled are used in the computation of the charge.

D. When an IC cancels an order for the discontinuance of service, no charges apply for the cancellation.

5.2.4 Selection of Planned Facilities For Access Orders

A. When there are facilities in the activated state for its use under a Planned Facilities Order or analog digital high capacity service to a Hub in the Access Service State, an IC may request a specific channel or transmission path be used to provide the Switched or Special Access Service requested in an Access Order. The Company will make a reasonable effort to accommodate the IC request. If the Company determines that the request cannot be met with reasonable effort, and another facility is activated for the IC's use, the Company will specify the use of that facility and notify the IC accordingly.

B. For all other Access Orders, the option to request a specific transmission path or channel is not provided, except as provided for under Special Facilities Routing as set forth in 11. following.

5.2.5 Minimum Period

A. Except as set forth in B.and C., following, the minimum period for which Access Service is provided and for which charges are applicable is six months. For the application of minimum period charges for Switched Access Service Feature Groups B, C and D, it is assumed that the last identical capacity placed in service is the first one discontinued.

B. The minimum period for which Access Service ordered under a Short Notice Interval is provided, and for which charges are applicable, is one month.

5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (CONT'D)

5.2 Access Order (Cont'd)

5.2.5 Minimum Period (Cont'd)

C. The minimum period for analog and digital high capacity services (facilities) to a Hub is *twenty-four* months and applies as set forth in 5.4.9.A. following. The *twenty-four* month minimum period applies in lieu of the normal minimum six month period because the activation date and service date on such orders are always the same date.

D. Service Rearrangements and Transfer of Service as set forth in 6.7.1 and 7.4.1 following for Switched and Special Access Services respectively, may be made without a change in minimum period requirements.

E. Changes other than those identified in 6.7.1 or 7.4.1 following will be treated as a discontinuance of the existing service and an installation of a new service. All associated nonrecurring charges will apply for the new service. A new minimum period will be established for the new service. The IC will also remain responsible for all outstanding minimum period obligations associated with the disconnected service.

5.2.6 Minimum Period Charges

A. When Access Service is discontinued prior to the expiration of the minimum period, charges are applicable for the remaining months and/or fraction thereof of the minimum period. A disconnect constitutes facilities being returned to available inventory.

The Minimum Period Monthly Charge, for monthly billed services will be determined as follows:

1. For Switched Access Service, the charge for each remaining month and/or fraction thereof is equal to the applicable minimum monthly charge for the capacity as set forth in 6.6.3 following.
2. For Special Access Service, the charge for each remaining month and fraction thereof is the applicable monthly rate for the service as set forth in 22.4 following.
3. For Special Access Service Dedicated Access Lines, the charge for each remaining month and/or fraction thereof is the applicable monthly rate for the service as set forth in 22.4.4 following.

5.2.7 Shared Use Facilities

Shared Use (i.e., Switched and Special Access Services provided over the same analog or digital high capacity facilities) is allowable only for existing services and to fill out existing systems. Only Switched Access Service busy hour minutes of capacity may be added to fill out existing systems. When Switched or Special Access Services provided over a shared use facility are disconnected, only Switched Access Service busy hour minutes of capacity can be ordered by the IC to backfill the system.

5.2.8 Switched Access Service to Cellular Interconnections

For Feature Groups B and D Switched Access Service provided to a Mobile Telephone Switching Office (MTSO) directly interconnected to a Company access tandem office, the customer shall provide information to the Company indicating the NXX code(s) to be accessed.

5.3 Available Inventory

5.3.1 General

A. Available inventory is limited and does not include facilities previously ordered or reserved. Available inventory also does not include analog or digital high capacity facilities. All Access Orders for analog and digital high capacity services require the use of Planned Facilities.

B. To the extent they can be provided, the Company will provide other than high capacity Access Services from any available inventory, except when the IC has Planned Facilities activated for its use and requests the Company to use such Planned Facilities in providing the requested services.

5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (CONT'D)

5.2 Planned Facilities Order (Cont'd)

5.4 Planned Facilities Order

5.4.1 General

A. An IC may place a Planned Facilities Order for the provision of Planned Facilities. Planned Facilities provided for Special Access Service include Access Connections, Special Transport, Features and Functions and Special Access Lines as described in 7.1. following. Planned Facilities provided for Switched Access Service include Access Connections, Local Transport and End Office Functions as described in 6.1. following. Planned Facilities will be made available by the Company for the IC's use on an established activation date. The combinations which may be ordered and made available for the IC's use on the activation date are set forth in 5.4.2 following.

B. Planned Facilities Orders must be placed separately for each activation date for Special Access Service and Switched Access Service. For Switched Access Service, a separate order must be placed for each IC terminal location to end office (by Feature Group type) ordered.

For Special Access Service, separate orders must be placed for each IC terminal location to end user location, IC terminal location to IC terminal location and IC terminal location to Hub serving wire center.

Metallic Access Connections may be ordered for use with Switched Access Service or Special Access Service. A separate order must be placed for each request for Metallic Access Connections.

C. To the extent that Planned Facilities can be made available, and unless special construction charges apply as set forth in D. following, the Planned Facilities ordered will be available to the IC, at rates and charges as set forth in 5.4.10 following, on the activation date. Except as set forth following, the activation date may be set for any working day at least 6 months but not more than 12 months after the order date. With the agreement of the Company, the Planned Facilities activation date may be scheduled for a date earlier than 6 months from the order date. If an IC requests an activation date more than 12 months after the order date, the Company will determine if such requests can be accommodated. When they can be, orders shall be accepted.

D. Planned Facilities for which the Company has no foreseeable reuse, may be subject to special construction charges as set forth in Section 14. following in addition to the rates and charges as set forth in 5.4.10 following.

The Company shall determine whether special construction charges apply and will so notify the IC prior to accepting an order.

5.4.2 Planned Facilities Provided

A. The IC may order Planned Facilities as follows:

1. For Switched Access Service:

   a. Two-wire and four-wire metallic facilities between the IC terminal location and the IC serving wire center. These must be ordered in 100 pair units.

   b. Busy hour minutes of capacity (BHMC) between an IC terminal location and an End Office (by feature group and type of BHMC). Optional features may also be specified by the IC.

2. For Special Access Service:

   a. Two-wire and four-wire metallic facilities between the IC terminal location and the IC serving wire center. These must be ordered in 100 pair units.

   b. Analog and digital high capacity facilities between an IC terminal location and a Hub serving wire center. Hub functions may also be specified by the IC.

   c. Analog and digital high capacity facilities between two IC terminal locations. One of the IC terminal locations will be treated as an end user premises. Facility Interface combinations and optional features may also be specified by the IC.

5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (CONT'D)

5.4 Planned Facilities Order (Cont'd)

5.4.2 Planned Facilities Provided (Cont'd)

A. (Cont'd)

2. (Cont'd)

d. Narrowband, Voice Grade, Wideband Digital, Digital Data Access and High Capacity 1 (HC1) facilities between an IC terminal location and an end user premises. Features and functions, (e.g., facility interface combinations and optional features) may be specified by the IC.

3. Only those rate elements included on the Planned Facilities Order will be made available to the IC on the activation date.

5.4.3 Hub Serving Wire Centers

A. Planned Facilities Hub serving wire centers for Special Access may be established by the Company at designated locations in a LATA. A Hub is a Company office where facilities will be available to reach a specified set of serving wire centers and end user premises. Location and serving area of Hubs are as follows:

1. The location of Hubs, if any, in a LATA will be specified by the Company. Different serving wire centers may be designated as Bridging Hubs and Multiplexing Hubs.
2. The wire centers served by the Hub serving wire center will be specified by the Company.

5.4.4 Modifications of Planned Facilities Orders

Modifications of Planned Facilities Orders may be made by the IC without charge prior to acceptance by the Company of the Planned Facilities order. The date when the order is accepted is known as the order date. After the order date, modifications may be made as set forth following.

A. Change in Number of Facilities

After the order date, any increase or decrease in the number or type of facilities ordered will be treated as follows:

1. An increase in the number of the facilities ordered will be treated as a new Planned Facilities Order for the increased amount only.
2. Any decrease in the number of facilities ordered will be treated as a cancellation (for the decreased amount only) and will be subject to the regulations as set forth in 5.4.6 following.

B. Activation Date Changes

With the agreement of the Company, the IC may change the activation date of a Planned Facilities Order subject to the following conditions:

1. No activation date may be established that is more than 12 months beyond the activation date specified on the original order. If the IC is unable to accept the facilities within 12 months of the original activation date, the IC has the choice of the following options:

   a. The Planned Facilities Order shall be cancelled and charges set forth in 5.4.6.B following will apply, or

   b. Billing for the facilities will commence.

2. If the requested date is prior to the original activation date, Additional Engineering, Additional Labor, and/or Special Construction charges may apply in order to meet the date. The Company will determine whether such charges apply and will notify the IC accordingly.
3. A Planned Facilities Order Modification Charge as set forth in D. following will apply for each activation date change.

5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (CONT'D)

5.4 Planned Facilities Order (Cont'd)

5.4.4 Modifications of Planned Facilities Orders (Cont'd)

C. Other Modifications

1. With the agreement of the Company, other modifications may be made prior to the activation date. The types of modifications that may be made include, but are not limited to:

   a. Change in facility interface

   b. Addition or deletion of optional features

   c. Change in type of Transport Termination (Switched Access only), etc.

   d. Change from two-wire facilities to four-wire facilities or from four-wire facilities to two-wire facilities.

   A Planned Facilities Order Modification Charge as set forth in D. following will apply for these types of modifications.

2. The following types of modifications may not be made, but instead require the cancellation and reissuance of the order:

   a. Change in location, i.e., the IC terminal location, the Hub location, the end office or the end user premises.

   b. Change in Feature Group type

   c. Change in type of facilities other than from two-wire to four-wire facilities or from four-wire to two-wire facilities.

   Cancellation charges as set forth in 5.4.6 following will apply in these cases.

D. Planned Facilities Order Modification Charge

The Planned Facilities Order Modification Charge is applied on a per order, per occurrence basis.

5.4.5 Cancellation of a Planned Facilities Order

A. A Planned Facilities Order may be cancelled after the order date. Cancellation Charges will apply as set forth in B. and C. following. The cancellation date is the date the Company receives written or verbal notice from the IC that the capacity or channels ordered are to be cancelled. The verbal notice must be followed by written confirmation within 10 days.

B. The applicable Cancellation Charge is based on the interval between the cancellation date and the activation date or the interval between the cancellation date and 24 months after the order date, whichever interval is shorter. This interval is known as the Cancellation Interval. The Cancellation Charge applicable to each Cancellation Interval is shown in the following table.

The Monthly Charge is the charge as set forth in 5.4.10 following.

C. Where special construction is involved, cancellation charges and/or Termination Liability charges as set forth in 14. following will apply in addition to those set forth in B. preceding.

5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (CONT'D)

5.4 Planned Facilities Order (Cont'd)

5.4.6 Activation of Planned Facilities

The Planned Facilities ordered are made available for the IC's future service needs on the activation date. Special or Switched Access Service using the Planned Facilities will be provided pursuant to standard, negotiated or short notice service date intervals, under an Access Order as set forth in 5.2.1 preceding. The service date on such orders may be the same as or later than the Planned Facilities Order activation date. (For analog and digital high capacity Planned Facilities Orders to a Hub, the service date and activation date are always the same). When the service and activation dates are the same, the Access Order charges apply and the Planned Facilities charges do not. However, if the service is disconnected prior to the expiration of the minimum period requirements for the Planned Facilities Order, the facilities will be returned to the activated status. Planned Facilities Order minimum period charges will commence and will apply until such time as the minimum period requirements are fulfilled.

5.4.7 Delayed Activation Credit

A. The Company will make every effort to provide the Planned Facilities to the IC on the established activation date. If the date is missed, unless for reasons beyond the control of the Company as set forth in 2.1.3, 5.4.10.C. and 5.4.10.D. preceding, a Delayed Activation Credit will apply and will be credited to the IC's account.

B. The Delayed Activation Credit will be 1/30 of the monthly charge as specified in 5.4.10 preceding for each day the date is missed.

5.4.8 Minimum Period

A. The minimum period for which Planned Facilities are activated for the IC's use, and for which charges are applicable is months. Beginning on the activation date, the appropriate charges as specified in 5.4.10 following will apply.

B. Facilities in the activated status for which the minimum period has ended will be treated as follows:

1. Subject to C. following, the IC may retain the facilities in the activated status and the charges as set forth in 5.4.10 will apply.
2. Subject to the provisions of 5.5 following, the IC may return the facilities to the Company, upon 30 days notice. All availability for use by the IC will cease as of that date.

C. Facilities in the activated status, for which the minimum period has ended, and for which there are no currently pending Access Orders, except those where special construction applies, may be taken by the Company for its use upon written 90 day notice to the ordering IC. If the IC does not submit Access Orders for the use of such Planned Facilities prior to the end of the 90 day notice period, all availability for use by the IC will cease as of that date or other date mutually agreeable to the Company and the IC, and charges as set forth in 5.4.10 following will cease.

D. Planned Facilities provided by special construction will be subject to liabilities and charges as set forth in 14. in addition to A. through C. preceding.

5.4.9 Minimum Charges

When Planned Facilities are returned to the Company prior to the expiration of the minimum period, charges are applicable for the remainder of the minimum period. The charge for the quantity returned will be an amount equal to the applicable monthly charge times the number of months and/or fraction thereof between the return date and the end of the minimum period. The monthly charge is the monthly charge set forth in 5.4.10.

5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (CONT'D)

5.4 Planned Facilities Order (Cont'd)

5.4.10 Monthly Charge

A. Monthly charges are applicable for activated Planned Facilities. The monthly charge will apply from the activation date until such time as the facilities are used to provide Access Service via an Access Order or, until the minimum period requirements have been satisfied. If the minimum period requirement has been satisfied and the IC chooses to retain the facilities in the activated status, the monthly charge will continue to apply. If the IC requests the Planned Facilities be used to provide Access Service and they are so used, the Planned Facilities monthly charge will cease and the appropriate Switched or Special Access Service rates and charges set forth in 22. and 7.5 respectively will apply.

B. The monthly charge will serve as the basis for advance payments and Cancellation Charges, as well as for the monthly charge to be billed for activated Planned Facilities.

C. The monthly charges are as follows:

1. For Switched Access

   Activated Switched Access Planned Facilities between the IC terminal location and the end office will be billed at the rates established for Minimum Monthly Usage Charge (MMUC) as set forth in 6.7.4 following.

2. For Special Access

   Activated Special Access Planned Facilities will be billed at the monthly rates in 22.4.1, 22.4.2 and 22.4.4 following for the Access Connections, Special Transport and Special Access lines respectively.

   Bridging functions, if specified on the Planned Facilities Order will be billed at the monthly rates set forth in 22.4.3.C. following. Billing for all other Features and Functions, including Facility Interface Combinations, even if specified on the order, will not commence until placed in service via an Access Order. The monthly rate is the total of all the items included on the order for which charges are to apply while in the activated status.

3. For Metallic Access Connections

   Two-wire and four-wire metallic facilities between an IC terminal location and the IC serving wire center, whether ordered as Switched Access or Special Access, will be billed at the monthly rates set forth in 22.4.1 following for two-wire and four-wire Special Access Service Access Connections.

5.4.11 Planned Facilities Test and Line Up

A. Prior to the activation date, the Company will test and line up the facilities provided, as appropriate. Test and line-up will be made by the Company using the IC facilities which are installed at the IC terminal location to terminate the capacity or services provided. The IC shall provide personnel and equipment and shall have its facilities available to complete the testing and line up during the period specified. If the personnel, equipment and facilities are not provided by the IC, and the activation date is missed, no Delayed Activation Credit applies.

B. Testing and line up as set forth in A. preceding, may begin up to 30 days prior to the scheduled activation date. The Company will notify the IC of the scheduled start date at least ten working days prior to such date. If this date is mutually agreeable, the Company will begin testing on the scheduled date. If this date is not agreeable to the IC and another date is agreed upon, no Delayed Activation Credit will apply if the facilities are not available on the activation date.

5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (CONT'D)

5.5 Switched Access Service Minimum Capacity Requirements

5.5.1 General

When Switched Access Service Access Connections are ordered under Planned Facilities Orders or Access Orders, they will be provided subject to the minimum capacity provisions set forth in 5.1.2 preceding and in 5.5.2 through 5.5.7 following.

5.5.2 Applicability

There is no minimum capacity for Interface Groups 1 and 2 except as set forth in 5.4.2.A.1.a. preceding. The minimum capacity provided for Interface Groups 3 through 10, and for which charges are applicable, are set forth in 5.5.6 following.

5.5.3 Additional Orders

When additional busy hour minutes of capacity are ordered, they may be provided using activated or in-service Access Connection Interface Groups. Such busy hour minutes of capacity, up to and including the number that brings the Interface Group to its designated capacity, will be provided without being subject to the minimum capacity provisions as set forth in 5.5.6 following. Any additional busy hour minutes of capacity ordered will be subject to the minimum capacity provisions, unless they are provided under an Access Order using Planned Facilities.

5.5.4 High Frequency Analog or Digital Interface Group

When an IC requests High Frequency Analog or Digital interface groups, the IC is required to order at a minimum sufficient capacity to utilize 70% of the channels.

5.5.5 Grouping of Access Connection Interface Groups

For the purpose of administering the minimum capacity provisions, Access Orders for Access Connection Interface Groups for different feature groups may be grouped together if the facilities provided for all the connections are the same and terminate in the same facilities terminal in the same end office.

5.5.6 Interface Capacities and Minimum Order Requirements

The following table provides the total capacity of the interface and the thresholds for minimum order requirements. The Company will not provide these Interface Groups when less than 70% of the capacity is ordered. For purposes of grouping, as set forth in 5.5.5 preceding, it shall be assumed that Feature Group A, B, C, or D minutes may be combined.

Interface Type	Interface Name	Total Capacity (Channels)	Minimum Capacity (Channels)
Digital	DS1	24	17
Digital	DS1C	48	34
Digital	DS2	96	68
Digital	DS3	672	471
Digital	S4	4032	2823

5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (CONT'D)

5.5 Switched Access Service Minimum Capacity Requirements (Cont'd)

5.5.7 Disconnection of Service

A. When Switched Access Service provided from available inventory is disconnected, and the disconnect causes the in service capacity to fall below the minimum requirements, the Company will, at the option of the IC:

1. Disconnect all the service subject to the minimum capacity requirements, and all appropriate charges will apply, or
2. Establish a Planned Facilities Order for the minimum capacity as of the disconnect date, and all facilities not in service required to meet the minimum requirements will be established as activated Planned Facilities, with appropriate charges applying.

B. When a return of Planned Facilities to the Company causes the activated capacity to fall below the minimum, the Company will take back all Planned Facilities involved and all appropriate charges will apply.

5.6 Record Order Changes and Charges

5.6.1 Record Order Changes

A. An IC may request a record order change for existing Access Service or activated Planned Facilities. Record order changes include the following types of changes:

1. Billing name
2. Billing address
3. Contact telephone number
4. Rearrange account structure
5. Change designation of IC serving wire center (applies only to application of the mile rule as set forth in 6.7.12.B following).

5.6.2 Record Order Charges

A. The charges to be applied for record order changes are as follows:

1. For changes to existing Access Service, a charge equal to the amount of the Other Modification Change Charge set forth in 5.2.2.H. preceding will apply.
2. For changes to activated Planned Facilities, a charge equal to the amount of the Planned Facilities Order Modification Charge set forth in 5.4.5.D preceding will apply.

6. SWITCHED ACCESS SERVICE

6.1 General

Switched Access Service provides a two-point electrical communications path between the IC terminal location and telephone exchange service locations. Each path is capable of the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

Switched Access Service provides for the use of common terminating, switching and trunking facilities, and jointly used subscriber plant of the Company's public switched network by IC's for their use in furnishing their services. Directory listings are not included with Switched Access. These are provided from the Company's local and/or general exchange service tariff.

Switched Access Service is provided in various Feature Group arrangements which are differentiated by the type of connection (i.e., line side connection and trunk side connection) and the access calling pattern (e.g., 950-10XX calling in a LATA, 101XXXX calling in a LATA, etc.).

Switched Access Service provides for the ability to make and receive calls to and from telephone exchange service locations in the LATA associated with the specific Feature Group provided.

At the option of the IC, Switched Access Service may be provided for both interstate and intrastate communications. When the IC orders such mixed access, it is responsible for providing the reports in 2.3.14. to the Company.

When the IC plans to use Switched Access Service in connection with the resale of services of another IC, such Switched Access Service will be provided subject to the rate regulations set forth in 6.7.3. following. Such Switched Access Service will be provided as set forth in the following paragraphs of this section. The IC shall order the features and options it desires in accordance with the provisions of this section.

6.1.1 Feature Group Arrangements

There are six Switched Access Services, four of which are Feature Group arrangements, 500 Access Service, and 800 Access Ten Digit Screening Service. Following is a brief description of each. More detailed descriptions are set forth in 6.2.

A. Feature Group A (FGA)

FGA Access provides line side access to Company end office switches with an associated seven digit local telephone number for the IC's use in originating and terminating communications.

B. Feature Group B (FGB)

FGB Access provides trunk side access to Company end office switches with an associated uniform 950-10XX access code for the IC's use in originating and terminating communications.

C. Feature Group C (FGC)

FGC Access provides trunk side access to Company end office switches for providers of MTS and WATS use in originating and terminating communications. This service is available in all end offices which are not equipped for Feature Group D End Office Switching.

D. Feature Group D (FGD)

FGD Access provides trunk side access to Company end office switches with an associated 101XXXX access code for the IC's use in originating and terminating communications.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.1 General (Cont'd)

6.1.1 Feature Group Arrangements Categories (Cont'd)

E. 500 Access Service

500 Access Service is an originating service that is provided via 500 Access Service Switched Access Trunk Groups. 500 Access Service Switched Access Trunk Groups will be provided in conjunction with FGC or FGD, or in accordance with the technical characteristics of FGC or FGD where technical capabilities permit.

The service provides the customer identification function and delivery of the call to the customer based on the first six digits of the dialed number. From the Company's SSP equipped end office, the customer identification function will be performed via a database look-up at the SCP. From non-SSP equipped end offices, the customer identification function will be performed by 500 NXX screening.

A more detailed description of 500 Access Service is set forth in 6.2.6 following.

F. 800 Access Ten Digit Screening Service

800 Access Ten Digit Screening Service is an originating service that is provided via 800 Switched Access Service trunk groups. 800 Service Switched Access trunk groups from the Company's SSP equipped end office or Access tandem to the IC, will be in conjunction with FGD Service. The service provides an IC identification function and delivery of the call to the IC based on the dialed ten digit number. A more detailed description of 800 Access Ten Digit Screening Service is provided in 6.2.5 following.

G. Switched Access Service feature groups, *500 Access Service*, and 800 Access Ten Digit Screening Service are available as follows:

- Feature Group A: to all ICs.
- Feature Group B: to all ICs.
- Feature Group C: only to providers of MTS and WATS until Feature Group D is available in an end office switch.
- Feature Group D: to all ICs.
- 500 Access Service: to 500 Service Providers as defined in 2.6 preceding.
- 800 Access Ten Digit Screening Service: to all ICs.

6.1.2 Dedicated Access Line Service

Dedicated Access Line Service is a type of Special Access Service that is provided only for use with Feature Group C and D Switched Access Service. Dedicated Access Line Service connects an end user premises with a WATS serving office. This service is described in 7.2.1.F.

6.1.3 Rate Categories

There are *six* rate categories which apply to Switched Access Service:

- Access Connections
- Local Transport
- End Office (i.e., Local Switching, Line Termination and Intercept)
- Common/Dedicated Access Line
- 500 Access Service
- 800 Database

6. SWITCHED ACCESS SERVICE (CONT'D)

6.1 General (Cont'd)

6.1.1 Feature Group Arrangements Categories (Cont'd)

A. Access Connections

The Access Connections rate category provides for the busy hour minutes of capacity and interface arrangements established for the IC. Such Access Connections are provided at rates and charges as set forth in 0. following.

Access Connection busy hour minutes of capacity are differentiated by type of traffic. There are four major categories of busy hour minutes of capacity, i.e., originating, terminating, Feature Group A, and Directory Assistance. Originating busy hour minutes of capacity may be further categorized to domestic, *500*, 800, 900, and operator. The IC must specify originating, terminating, Feature Group A, or Directory Assistance when ordering capacity. In addition, if separate trunk groups are required for originating Feature Groups B or C originating busy hour minutes of capacity, the IC may also specify domestic, *500*, 800, 900 or operator.

Access Connections are provided in ten separate Interface Groups. Each Interface Group provides a specified facility interface (e.g., two-wire, four-wire, DS1, etc.). Interface Groups 3 through 10 are subject to the minimum busy hour minutes of capacity requirements when ordered as set forth in 5. preceding. Where transmission facilities permit, the individual transmission paths between the point of interface and the first point of switching may, at the option of the IC, be provided with optional features as set forth in 6.1.3.A.12.a. following. Provision of the Interface Groups and any optional features may require placement of Company equipment on the IC's premises.

Interface Group 1 is provided with Transmission Performance Capability Type C, and Interface Groups 2 through 10 are provided with Transmission Performance Capability Type A or B, depending on the Feature Group and whether the Access Service is routed directly or through an access tandem. Interface Groups 1 through 10 are provided with Data Transmission Parameters.

Only certain facility interface codes are available at the IC terminal locations. The facility interfaces associated with the Interface Groups may vary among different types of service. The various facility interfaces which are available with the Interface Groups, and the types of services with which they may be used, are set forth in 6.1.3.A.11. following.

The capacity provided with each Interface Group is based on the IC's order subject to 5.5.

1. Interface Group 1

a. Interface Group 1, except as set forth in b. following, provides two-wire voice frequency transmission at the point of interface at the IC terminal location. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

b. Interface Group 1 is not provided in association with FGC and FGD when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with FGB, FGC or FGD when the first point of switching provides only four-wire terminations.

c. The transmission path between the point of interface at the IC terminal location and the first point of switching may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of 300 to 3000 Hz.

d. The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

A. Access Connections (Cont'd)

2. Interface Group 2

   a. Interface Group 2 provides four-wire voice frequency transmission at the point of interface at the IC terminal location. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

   b. The transmission path between the point of interface at the IC terminal location and the first point of switching may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

   c. The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

3. Interface Group 3

   a. Interface Group 3 provides DS1 level digital transmission at the point of interface at the IC terminal location. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps, with the capability to channelize up to 24 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Company will provide multiplex and channel bank equipment to derive 24 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Company will provide, at the first point of switching, a DS1 signal in D3/D4 format.

   b. The interface is provided with individual transmission path bit stream supervisory signaling.

4. Interface Group 4

   a. Interface Group 4 provides a DS1C level digital transmission at the point of interface at the IC terminal location. The interface is capable of transmitting electrical signals at a nominal 3.152 Mbps, with the capability to channelize up to 48 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Company will provide multiplex and channel bank equipment to derive up to 48 voice frequency transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

   b. The interface is provided with individual transmission path bit stream supervisory signaling.

5. Interface Group 5

   a. Interface Group 5 provides DS2 level digital transmission at the point of interface at the IC terminal location. The interface is capable of transmitting electrical signals at a nominal 6.312 Mbps, with the capability to channelize up to 96 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Company will provide multiplex and channel bank equipment in its office to derive up to 96 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier terminations is provided, the Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

   b. The interface is provided with individual transmission path bit stream supervisory signaling.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

A. Access Connections (Cont'd)

6. Interface Group 6

a. Interface Group 6 provides DS3 level digital transmission at the point of interface at the IC terminal location. The interface is capable of transmitting electrical signals at a nominal 44.736 Mbps, with the capability to channelize up to 672 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Company will provide multiplex and channel bank equipment to derive up to 672 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier terminations is provided, the Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

b. The interface is provided with individual transmission path bit stream supervisory signaling.

7. Interface Group 7

a. Interface Group 7 provides DS4 level digital transmission at the point of interface at the IC terminal location. The interface is capable of transmitting electrical signals at a nominal 274.176 Mbps, with the capability to channelize up to 4032 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Company will provide multiplex and channel bank equipment to derive up to 4032 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

b. The interface is provided with individual transmission path bit stream supervisory signaling.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

A. Access Connections (Cont'd)

8. Available IC Facility Interface Codes

Following is a matrix showing, for each Interface Group, which IC facility interface codes are available as a function of the Company switch supervisory signaling and Feature Group. For explanations of these codes, see 7.3. following.

a. Interface Group 1

Company Switch Supervisory Signaling	Premise Interface Code	Feature Group A	B	C	D
LO	2LS2	X			
LO	2LS3	X			
GO	2GS2	X			
GO	2GS3	X			
LO, GO	2DX3	X			
LO, GO	4EA3 E	X			
LO, GO	4EA3 M	X			
LO, GO	6EB3 E	X			
LO, GO	6EB3 M	X			
RV, EA, EB, EC	2DX3		X	X	X
RV, EA, EB, EC	4EA3 E		X	X	X
RV, EA, EB, EC	4EA3 M		X	X	X
RV, EA, EB, EC	6EB3 E		X	X	X
RV, EA, EB, EC	6EB3 M		X	X	X
EA, EB, EC	6EC3		X	X	X
RV	2RV3 O		X	X	X
RV	2RV3 T		X	X	X

b. Interface Group 2

Company Switch Supervisory Signaling	Premise Interface Code	Feature Group A	B	C	D
LO, GO	4SF2	X			
LO, GO	4SF2	X			
LO	4LS2	X			
LO	4LS3	X			
LO	6LS2	X			
	GS2				
GO	43				
	6GS2	X			
LO, GO	4DX2	X			
L GO	4DX3	X			
O, GO	6EA2 E	X			
L GO	6EA2 M	X			
O, GO	8EB2 E	X			
L GO	8EB2 M	X			
O, GO	6EX2 B	X			
RV, EA, EB, EC	4SF2		X	X	X
RV, EA, EB, EC	4SF3		X		
RV, EA, EB, EC	4DX2		X	X	X
RV, EA, EB, EC	4DX3		X		
RV, EA, EB, EC	6DX2	X		X	
RV, EA, EB, EC	6EA2 E	X		X	X
RV, EA, EB, EC	6EA2 M	X		X	X
RV, EA, EB, EC	8EB2 E	X		X	X
RV, EA, EB, EC	8EB2 M	X		X	X

6. SWITCHED ACCESS SERVICE (CONT'D)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

A. Access Connections (Cont'd)

8. Available IC Facility Interface Codes (Cont'd)

b. Interface Group 2 (Cont'd)

Company Switch Supervisory Signaling	Premises Interface Code	Feature A	Feature B	Group C	Group D
EA, EB, EC	8EC2 M	X		X	X
RV	4RV2 O	X		X	X
RV	4RV2 T	X		X	X
RV	4RV3 O	X		X	
RV	4RV3 T			X	

c. Interface Group 3

LO, GO	4DS9 15	X			
LO, GO	4DS9 15L	X			
RV, EA, EB, EC	4DS9 15		X	X	X
RV, EA, EB, EC	4DS9 15L		X	X	X

d. Interface Group 4

LO, GO	4DS9 15	X			
LO, GO	4DS9 15L	X			
RV, EA, EB, EC	4DS9 15		X	X	X
RV, EA, EB, EC	4DS9 15L		X	X	X
RV, EA, EB, EC	4DS9 31L		X	X	X

e. Interface Group 5

LO, GO	4DS0 63	X			
LO, GO	4DS0 63L	X			
RV, EA, EB, EC	4DS0 63		X	X	X
RV, EA, EB, EC	4DS0 63L		X	X	X

f. Interface Group 6

LO, GO	4DS6 44	X			
LO, GO	4DS6 44L	X			
RV, EA, EB, EC	4DS6 44			X	X
RV, EA, EB, EC	4DS6 44L		X	X	X
			X		

g. Interface Group 7

LO, GO	4DS6 27	X			
LO, GO	4DS6 27L	X			
RV, EA, EB, EC	4DS6 27		X	X	X
RV, EA, EB, EC	4DS6 27L		X	X	X

6. SWITCHED ACCESS SERVICE (CONT'D)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

A. Access Connections (Cont'd)

9. Interface Group Nonchargeable Optional Features

The Company will provide the following optional features in association with the Interface Groups listed in 1. through 7. preceding. Only those Interface Groups referenced with each optional feature will be provided with that feature. The provision of such features may require placement of Company equipment on the IC's premises.

a. Supervisory Signaling

(1) A Supervisory Signaling capability is provided for each Interface Group as listed in 1. through 7. preceding.

(2) Where the transmission parameters permit, and where signaling conversion is required by the IC to meet its signaling capability, the IC may order an optional supervisory signaling arrangement for each transmission path provided as follows:

-For Interface Groups 1 and 2

DX Supervisory Signaling,
E&M Type I Supervisory Signaling, or
E&M Type II Supervisory Signaling

-For Interface Group 2

SF Supervisory Signaling,
Tandem Supervisory Signaling, or
E&M Type III Supervisory Signaling

(3) In addition, with the agreement of the Company, Interface Groups 6 through 7, may, at the option of the IC, be provided with individual transmission path SF supervisory signaling.

b. IC Specified Entry Switch Receive Level

(1) This feature allows the IC to specify the receive transmission level at the first point of switching within a range acceptable to the Company in association with Interface Groups 2 through 7. This feature is available with Feature Groups A and B.

B. Local Transport

1. The Local Transport rate category provides the transmission facilities between the IC terminal location and the end office switch(es) where the IC's traffic is switched to originate or terminate its communications. For purposes of determining local Transport mileage, distance will be measured from the wire center that normally serves the IC to the end office switch(es). Exceptions to the mileage measurement rules are set forth in 6.7.12. following.
2. Local Transport is a two-way voice frequency transmission path composed of facilities determined by the Company. The two-way voice frequency transmission path permits the transport of calls in the originating direction (from the end user end office switch to the IC terminal location) and in the terminating direction (from the IC terminal location to the end office switch), but not simultaneously. The voice frequency transmission path may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

B. Local Transport (Cont'd)

3. The Company will determine whether the Switched Access Service is to be routed directly to an end office switch or through an access tandem switch unless the IC orders the provision of other than Company Selected Traffic Routing optional feature. The Company will determine whether the Switched Access Service is to be provided as one-way calling or two-way calling unless the IC orders the IC Specification of Feature Group Directionality optional feature. These optional features are described in 1. following. Another optional feature, IC Specification of Local Transport Termination, is also described in that section.

   Local Transport is provided at the rates and charges as set forth in 22.2.3.A. and 22.2.9.A. following. Rates are applied on an access minutes basis. When Feature Group A terminates in Company end offices that are not equipped for measurement capabilities, a Company assumed average access minutes will be billed to the IC in lieu of actual usage. These rates will be billed in terms of the total number of access minutes (i.e., originating and terminating). For terminating Feature Group B Switched Access Service where no measurement capabilities exist in the Company designated electronic Access Tandem switch, a Company assumed average number of access minutes will be billed to the IC in lieu of actual usage.

4. The number of Local Transport transmission paths provided is based on the IC's order and is determined by the Company as set forth in 6.5.5. following.

   a. Chargeable Optional Features

      (1) Provision of Other Than Company Selected Traffic Routing

      This option allows the IC to specify a particular traffic routing for trunk groups in lieu of Company selected routing, i.e., the IC may specify that the routing be on a direct trunk basis or via an access tandem. It is available with Feature Groups B, C and D.

      (2) IC Specification of Feature Group Directionality

      This option allows the IC to specify that the operation of a trunk group will be one-way originating or terminating calling in lieu of Company selected two-way calling or, alternatively, that operation will be two-way calling in lieu of Company selected one-way calling. It is available with Feature Groups B, C, D and E.

      (3) IC Specification of Local Transport Termination

      This option allows the IC to specify, for Feature Group B routed directly to an end office or access tandem, a four-wire termination of the Local Transport at the entry switch in lieu of a Company selected two-wire termination. This option is available only when the Feature Group B arrangement is provided with Type B Transmission Performance.

      These options are rated on an individual case basis with both nonrecurring charges and monthly recurring rates applying.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

C. End Office

The End Office rate category provides the local end office switching and end user termination functions necessary to complete the transmission of Switched Access communications to and from the end users served by the local end office. The End Office rate category includes the Local Switching Line Termination, Intercept and Information (i.e., Directory Assistance) rate elements. Directory Assistance Service and applicable rates for it are set forth in Section 22. following.

When Feature Group A Switched Access Services terminates in Company end offices that are not equipped for measurement capabilities, a Company assumed average number of access minutes will be billed to the IC in lieu of actual usage. These rates will be billed in terms of total (i.e., originating and terminating) number of access minutes. For terminating Feature Group B Switched Access Service where no measurement capabilities exist in the Company designated electronic Access Tandem switch, a Company assumed number of access minutes will be billed to the IC in lieu of actual usage.

1. Local Switching

The Local Switching rate element provides for the use of end office switching equipment. It is divided into two distinct categories, i.e., LS1 and LS2. The first category, LS1, provides local dial switching for Feature Groups A and B. The second category, LS2, provides local dial switching for Feature Groups C and D.

LS1 and LS2 use is measured on an originating and terminating basis. Rates for LS1 and LS2 use are applied on a total number of access minutes of use basis, as set forth in 0.A. following.

There are two types of local switching functions, i.e., Common Switching functions and Transport Termination functions. These are described in a. and b. following.

a. Common Switching

(1) The Common Switching provides the local end office switching functions associated with the various access (i.e., Feature Group) switching arrangements. The Common Switching arrangements provided for the various Feature Group arrangements are described in 6.2. following.

(2) Included as part of the Common Switching are various optional features which the IC can order to meet its specific communications requirements. These optional features are described in 6.3.1. following.

b. Transport Termination

(1) Transport Termination provides for the line or trunk side arrangements which terminate the Local Transport facilities. Included as part of Transport Termination are various nonchargeable optional termination arrangements. These optional termination arrangements are described in 6.3.2. following.

(2) The number of Transport Terminations provided will be determined by the Company as set forth in 6.5.6. following.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

C. End Office

2. Line Termination

a. The Line Termination rate element provides the terminations for the end user lines terminating in the local end office. There are two types of End User Terminations, i.e., Common Line Terminations and Dedicated Access Line Service Terminations. The Dedicated Access Line Service Terminations are differentiated by line vs. trunk side terminations.

b. In addition, there are various types of originating and terminating line side terminations depending on the type of signaling associated with the Dedicated Access Line Service. Line side terminations are available with either dial pulse or dual tone multifrequency address signaling. Line Termination rates are applied on an access minute basis, with no difference in rates for various types of terminations. Line Termination rates are set forth in 22.2.4.B. following.

3. Intercept

a. The Intercept rate element provides for the termination of a call at a Company Intercept operator or recording. The operator or recording tells a caller why a call, as dialed, could not be completed, and if possible, provides the correct number.

b. Intercept rates are applied on an access minutes basis and are assessed to an IC based on the total number of access minutes. Intercept rates are set forth in 22.2.4.C. following.

The number of end office switching transmission paths provided will be determined by the Company based on the busy hour minutes of capacity to each end office specified by the IC in its order. The number of transmission paths will be determined as set forth in 6.5.5. following.

D. 500 Access Service

The 500 Access Service rate category includes the use of switch based translations and the use of transmission facilities and functions between a Service Switching Point (SSP) equipped switch and a Service Control Point (SCP) by the Company to provide for 500 Access Service. Rate elements and rates associated with this category are provided in 22.3.8 following.

E. 800 Database

The 800 Database rate category includes the use of transmission facilities and functions between a Service Switching Point (SSP) equipped end office or access tandem and a Service Control Point (SCP) by the Company to provide for 800 Access Ten Digit Screening Service. Rate elements and rates associated with this category are provided in 22.3.5, following.

6.1.4 Special Facilities Routing

An IC may request that the facilities used to provide Switched Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable Only) are set forth in *Section* 11. following.

6.1.5 Design Layout Report

Where the Company normally designs facilities and services, the Company will provide to the IC the makeup of the facilities and services provided to the first point of switching. This information will be provided in the form of a Design Layout Report.

The Design Layout Report will be provided to the IC at no charge.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.1 General (Cont'd)

6.1.6 Acceptance Testing

A. At no additional charge, the Company will, at the IC's request, cooperatively test, at the time of installation, the following parameters:

-Loss,

-C-Message noise,

-Three-Tone Slope,

-DC Continuity,

-Operational Signaling, and

-Balance[1] (equal level echo path loss)

B. If acceptance tests are not started within 30 minutes after the scheduled appointment time for such tests, as negotiated between the Company and the IC, additional charges will apply, as set forth in 22.4.2.B. following.

6.1.7 Ordering Options and Conditions

A. There are two ordering options available to the IC in the provision of Switched Access Service. These are:

-Access Order

-Planned Facility Order

B. These options are set forth in detail in 5. preceding, as are the conditions under which the options may be elected. Cancellation charges associated with these options are also included in 5. preceding.

C. For purposes of this Section, services requested on Multiple Access Service Requests (ASRs) placed with the Company on a given day, for multiple lines to the same end office or multiple trunks on a common trunk group with the same premises interface code, will be treated as one request when the ASRs are related together by the IC.

[1] This test may also be performed when the Access Connection is provided with a Type 2 Interface and the Transport Termination is two wire (i.e., a four wire to two wire conversion in Local Transport).

6. SWITCHED ACCESS SERVICE (CONT'D)

6.2 Provision and Description of Switched Access Service Feature Groups

Switched Access Service is provided in four different Feature Group arrangements. The provision of each Feature Group requires an Access Connection, Local Transport facilities and the appropriate End Office functions.

There are three specific transmission performances (i.e., Types A, B and C) that have been identified for the provision of Feature Groups. The specific performance provided is dependent on the Interface Group and the routing of the service, i.e., whether the service is routed directly to the end office or via an access tandem. The parameters for the transmission performances are set forth in 6.4.1. following. Feature Groups are arranged for either originating, terminating or two-way calling, based on the IC end office switching busy hour minutes of capacity ordered. Originating calling permits the delivery of calls from telephone exchange service locations to the IC terminal location. Terminating calling permits the delivery of calls from the IC terminal location to telephone exchange service locations. Two-way calling permits the delivery of calls in both directions, but not simultaneously. The Company will determine the type of calling to be provided unless the IC specifies in its order that a different type of directional calling is to be provided.

There are various chargeable and nonchargeable optional features available with the Feature Groups. These additional optional features are provided as Access Connections, Local Transport, Common Switching or Transport Termination options.

Following are detailed descriptions of each of the available feature groups. Each feature group is described in terms of its specific physical characteristics and calling patterns, the transmission performance with which it is provided, the optional features available and the standard testing capabilities.

The Common Switching and Transport Termination optional features, which are described in 6.3. following, unless specifically stated otherwise, are available at all Company end office switches.

6.2.1 Feature Group A (FGA)

A. Description

1. FGA is provided in connection with Company electronic and electromechanical end offices. At the option of the IC, FGA is provided on a single or multiple line group basis and is arranged for originating calling only, terminating calling only, or two-way calling. FGA is arranged for use by the IC in the provision of its foreign dial tone service, second dial tone service or switched private network service.
2. FGA provides a line side termination at the first point of switching. The line side termination will be provided with either ground start supervisory signaling or loop start supervisory signaling. The type of signaling is at the option of the IC.
3. The Company shall select the first point of switching, within the selected LATA, at which the line side termination is to be provided unless the IC requests a different first point of switching and Company facilities and measurement capabilities are available to accommodate such a request.
4. A seven digit local telephone number assigned by the Company is provided for access to FGA switching in the originating direction. The seven digit local telephone number will be associated with the selected end office switch and is of the form NXX-XXXX.
5. FGA switching, when used in the terminating direction is arranged with dial tone start-dial signaling. When used in the terminating direction FGA switching may, at the option of the IC, be arranged for dial pulse or dual tone multi-frequency address signaling, subject to availability of equipment at the first point of switching. When FGA switching is provided in a hunt group or uniform call distribution arrangement, all FGA switching will be arranged for the same type of address signaling.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.1 Feature Group A (FGA) (Cont'd)

A. Description (Cont'd)

6. No address signaling is provided by the Company when FGA switching is used in the originating direction. Address signaling in such cases, if required by the IC, must be provided by the IC's customer using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Company and will be subject to the ordinary transmission capabilities of Access Connections and Local Transport provided.
7. FGA switching, when used in the terminating direction, may be used to access valid NXXs in the local calling area of the dial tone office, local operator service (0- and 0+), Directory Assistance (411 where available and 555-1212), emergency reporting service (911 where available), exchange telephone repair (611 where available), time or weather announcement services of the Company, community information services of an information service provider, and other IC's services (by dialing the appropriate digits). For calls to points within the same LATA but outside the local calling area of the dial tone office, the Company rates will apply. Such toll charges will be billed in lieu of Switched Access charges. Charges for FGA terminating calls requiring operator assistance on calls to 611 or 911 will only apply where sufficient call details are available. For calls to services of other ICs, additional charges may apply. Additional charges will also be billed for (1) an operator surcharge, as set forth in the local exchange tariffs, for local operator assistance (0- and 0+) calls; (2) calls to certain community information services, for which rates are applicable under Company exchange service tariffs, e.g., DIAL-IT Network Services; and (3) IC call charges in accordance with the tariffs in force when the Company performs the billing for such IC calls. For calls to Directory Assistance (411 where available and 555-1212), Local Transport rates for FGA Switched Access Service will not apply. Instead, Local Transport for calls to this service is subject to a per call rate as set forth in 22. following. Additionally, calls to Directory Assistance are subject to the Directory Assistance Service Call rate as set forth in 22. following.
8. When a FGA switching arrangement for an individual IC (a single line or entire hunt group) is discontinued at an end office, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.

B. Optional Features

1. Common Switching Optional Features
   a. Hunt Group Arrangement
   b. Uniform Call Distribution Arrangement
   c. Nonhunting Number for use with Hunt Group Arrangement or U.C.D. Arrangement
   d. Call Denial
   e. Service Code Denial
2. Transport Termination Optional Features
   a. Two-way operation with dial pulse address signaling and loop start supervisory signaling
   b. Two-way operation with dial pulse address signaling and ground start supervisory signaling
   c. Two-way operation with dual tone multifrequency address signaling and loop start supervisory signaling
   d. Two-way operation with dual tone multifrequency address signaling and ground start supervisory signaling

6. SWITCHED ACCESS SERVICE (CONT'D)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.1 Feature Group A (FGA) (Cont'd)

B. Optional Features (Cont'd)

2. Transport Termination Optional Features (Cont'd)
   e. Terminating operation with dial pulse address signaling and loop start supervisory signaling
   f. Terminating operation with dial pulse address signaling and ground start supervisory signaling
   g. Terminating operation with dual tone multifrequency address signaling and loop start supervisory signaling
   h. Terminating operation with dual tone multifrequency address signaling and ground start supervisory signaling
   i. Originating operation with loop start supervisory signaling
   j. Originating operation with ground start supervisory signaling
3. Certain other features which may be available in connection with Feature Group A are provided under the Company's local and/or general exchange service tariffs. These are:
   a. Speed Calling
   b. Remote Call Forwarding
   c. IntraLATA extensions

C. Transmission Performance

FGA is provided with either Type B or Type C Transmission Performance. The parameters associated with these performances are guaranteed to the first point of switching. Type C Transmission Performance is provided with Interface Group 1 and Type B is provided with Interface Group 2 through 7. Type DB Data Transmission Parameters are provided with FGA to the first point of switching.

D. Testing Capabilities

FGA is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line and milliwatt (102 type) test line. Additional Cooperative Acceptance Testing and Non Scheduled Testing will be provided as set forth in 13. following.

6.2.2 Feature Group B (FGB)

A. Description

1. FGB, when directly routed to an end office (i.e., provided without the use of an access tandem switch) is provided at appropriately equipped Company electronic end office switches. When provided via Company designated electronic access tandem switches, FGB Switching is provided at Company electronic and electromechanical end office switches.
2. FGB is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signaling.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.2 Feature Group B (FGB) (Cont'd)

A. Description (Cont'd)

3. FGB switching is provided with multifrequency address signaling in both the originating and terminating directions. Except for FGB switching provided with the automatic number identification (ANI) or rotary dial station signaling arrangements as set forth in 6.3, any other address signaling in the originating direction, if required by the IC, must be provided by the IC's customer using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Company and will be subject to the ordinary transmission capabilities of the Access Connections and Local Transport provided.
4. The access code for FGB switching is a uniform access code. The form of the uniform access code is 950-10XX for carriers. One uniform access code will be assigned to the IC for its domestic communications if required. These uniform access codes will be the assigned access numbers of all FGB switched access service provided to the IC by the Company.
5. FGB switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Company, community information services of an information service provider and other IC's services (by dialing the appropriate digits). When directly routed to an end office, only those valid NXX codes served by that end office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. For calls to services of other ICs, additional charges may apply. The IC will also be billed additional charges for calls to certain community information services for which rates are applicable under Company exchange service tariffs, e.g., DIAL-IT Network Service. Calls in the terminating direction will not be provided to 950-10XX access codes, local operator assistance (0- and 0+), Directory Assistance (411 where available and 555-1212), service codes (611 and 911 where available) or 101XXXX access codes. FGB may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D.
6. The Company will establish a trunk group or groups for the IC at end office switches or access tandem switches where FGB switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGB switching arrangement provided. Different types of FGB or other switching arrangements may be combined in a single trunk group at the option of the Company.
7. When all FGB switching arrangements are discontinued at an end office and/or in a LATA, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.
8. For FGB Switched Access Service provided to a Mobile Telephone Switching Office (MTSO) directly interconnected via Type II A to a Company access tandem office, the IC will be billed the local transport rate and access connection charge for the FGB usage. The mileage used to determine the monthly rate for the local transport rate element is as set forth in 6.7.12.C following.

B. Optional Features

1. Common Switching Optional Features
   a. Automatic Number Identification (ANI)
   b. Up to 7 Digit Outpulsing of Access Digits to IC
   c. Alternate Traffic Routing
2. Transport Termination Optional Features
   a. Rotary Dial Station Signaling

6. SWITCHED ACCESS SERVICE (CONT'D)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.2 Feature Group B (FGB) (Cont'd)

B. Optional Features (Cont'd)

3. Local Transport Optional Features

a. IC Specification of Feature Group Directionality

b. Provision of Other Than Company Selected Traffic Routing

c. IC Specification of Local Transport Termination

C. Transmission Performance

FGB is provided with either Type B or Type C Transmission Performance. The parameters associated with these performances are guaranteed to the end office when routed directly or to the first point of switching when routed via an access tandem. Type C Transmission Performance is provided with Interface Group 1, and Type B is provided with Interface Groups 2 through 7. Type DB Data Transmission parameters are provided with FGB to the first point of switching.

D. Testing Capabilities

FGB is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. Additional Cooperative Acceptance Testing, Automatic Scheduled Testing, Cooperative Scheduled Testing, Manual Scheduled Testing and Non-Scheduled Testing will be provided as set forth in 13.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.3 Feature Group C (FGC)

A. Description

1. FGC is provided at all Company end office switches on a direct trunk basis or via Company designated access tandem switches. FGC switching is provided to the IC (i.e., providers of MTS and WATS) at an end office switch unless Feature Group D end office switching is provided in the same office. When FGD switching is available, FGC switching will not be provided.
2. FGC is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with answer and disconnect supervisory signaling. Wink start start-pulsing signals are provided in all offices where available. In those offices where wink start start-pulsing signals are not available, delay dial start-pulsing signals will be provided unless immediate dial pulse signaling is provided, in which case no start-pulsing signals are provided.
3. FGC is provided with multifrequency address signaling except in certain electromechanical end office switches where multifrequency signaling is not available. In such switches, the address signaling will be dial pulse, revertive pulse, immediate dial pulse or panel call indicator signaling, whichever is available. Up to 12 digits of the called party number dialed by the IC's customer using dual tone multifrequency or dial pulse address signals will be provided by Company equipment to the IC terminal location where the Switched Access Service terminates. Such called party number signals will be subject to the ordinary transmission capabilities of the Access Connections and Local Transport provided.
4. No access code is required for FGC Switching. The telephone number dialed by the IC's customer shall be a 7 or 10 digit number for calls in the North American Numbering Plan (NANP). The form of the numbers dialed by the IC's customers is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX.
5. FGC switching, when used in the terminating direction, may be used to access valid NXX's in the LATA, time or weather announcement services of the Company, community information services of an information services provider, and other IC's services (by dialing the appropriate codes) when the services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by offices subtending the access tandem may be accessed. For calls to services of other IC's, additional charges may apply. Where measurement capabilities exist, the IC will also be billed additional charges for calls to certain community information services, for which rates are applicable under Company exchange service tariffs, e.g., DIAL-IT Network Services. Calls in the terminating direction will not be completed to 950-10XX access codes, local operator assistance (0- and 0+), service codes (611 and 911 where available) and 101XXXX access codes. Calls will not be completed to Directory Assistance (411 where available and 555-1212) unless FGC switching is combined with Directory Assistance switching. FGC may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D.
6. The Company will establish a trunk group or groups for the IC at end office switches or access tandem switches where FGC switching is provided. When required for technical limitations, a separate trunk group will be established for each type of FGC switching arrangement provided. Different types of FGC or other switching arrangements may be combined in a single trunk group at the option of the Company.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.3 Feature Group C (FGC) (Cont'd)

B. Optional Features

1. Common Switching Optional Features
   a. Automatic Number Identification (ANI)
   b. Service Class Routing
   c. Dial Pulse Address Signaling
   d. Revertive Pulse Address Signaling
   e. Immediate Dial Pulse Address Signaling
   f. Panel Call Indicator Address Signaling
   g. Alternate Traffic Routing
   h. Trunk Access Limitation
   i. End Office Customer Line Service Screening for use with Dedicated Access Line Service
   j. Hunt Group Arrangement for use with Dedicated Access Line Service
   k. Nonhunting Number for use with Hunt Group Arrangement or UCD Arrangement for use with Dedicated Access Line Service
   l. Uniform Call Distribution Arrangement for use with Dedicated Access Line Service
   m. Band Advance Arrangement for use with Dedicated Access Line Service
2. Transport Termination Optional Features
3. Local Transport Optional Features
   a. IC Specification of Feature Group Directionality
   b. Provision of Other Than Company Selected Traffic Routing

C. Transmission Performance

1. FGC is provided with either Type B or Type C Transmission Performance as follows:
   a. When routed directly to the end office either Type B or Type C is provided.
   b. When routed to an access tandem only Type B is provided.
   c. Type B or Type C is provided on the transmission path from the access tandem to the end office.
2. Type C Transmission Performance is provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2 through 7, whether routed directly to an end office or to an access tandem.
3. Type DB Data Transmission Parameters is provided for the transmission path when directly routed to the end office, and Type DB Data Transmission Parameters is provided for the transmission path between the IC terminal location and the access tandem and between the access tandem and the end office when routed via an access tandem.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.3 Feature Group C (FGC) (Cont'd)

D. Testing Capabilities

FGC is provided, in the terminating direction where equipment is available with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. Additional Cooperative Acceptance Testing, Non-Optional Automatic Scheduled Testing, Cooperative Scheduled Testing or Manual Scheduled Testing and Non-Scheduled Testing will be provided as set forth in 13. following for FGC.

6.2.4 Feature Group D (FGD)

A. Description

1. FGD is provided at Company designated electronic end office switches whether routed directly or via Company designated electronic access tandem switches.
2. FGD is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signaling.
3. FGD switching is provided with multifrequency address signaling. Up to 12 digits of the called party number dialed by the IC's customer using dual tone multifrequency or dial pulse address signals will be provided by Company equipment to the IC terminal location where the Switched Access Service terminates. Such address signals will be subject to the ordinary transmission capabilities of the Access Connections and Local Transport provided.
4. FGD switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Company, community information services of an information service providers and other IC's services (by dialing the appropriate codes) when such services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. For calls to services of other ICs, additional charges may apply. The IC will also be billed additional charges for calls to certain community information services, for which rates are applicable under Company exchange service tariffs, e.g., DIAL-IT Network Service. Calls in the terminating direction will not be completed to 950-10XX access codes, local operator assistance (0- and 0+), service codes (611 and 911 where available) and 101XXXX access codes. Calls will not be completed to Directory Assistance (411 where available and 555-1212) unless FGD switching is combined with Directory Assistance switching. FGD may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.4 Feature Group D (FGD) (Cont'd)

A. Description (Cont'd)

5. The Company will establish a trunk group or groups for the IC at end office switches or access tandem switches where FGD switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGD switching arrangement provided. Different types of FGD or other switching arrangements may be combined in a single trunk group at the option of the Company.
6. The access code for FGD switching is a uniform access code of the form 101XXXX. No access code is required for calls to an IC over FGD Switched Access Service if the customer's telephone exchange service is arranged for presubscription to that IC as set forth in 13. following. For a limited period of time, no access code is required for calls to a provider of MTS and WATS, when such calls are placed from a Company public or semi-public telephone.

   Where no access code is required, the number dialed by the IC's customer shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). The form of the numbers dialed by the IC's customers is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX.

   When the 101XXXX access code is used, FGD switching also provides for dialing the digit 0 for access to the IC's operator, 911 for access to the Company's emergency reporting service, or the end-of-dialing digit (#) for cut-through access to the IC's terminal location.
7. FGD Switching will be arranged to accept calls from telephone exchange service locations without the need for dialing 101XXXX uniform access code. Each telephone exchange service line will be marked with a presubscription code to identify which 101XXXX code its calls will be directed to for interLATA service. Presubscription codes are applied as set forth in 13 following.
8. For FGD Switched Access Service provided to a Mobile Telephone Switching Office (MTSO) interconnected via Type II A to a Company access tandem office, the IC will be billed the local transport rate and access connection charge for the FGD usage. The mileage used to determine the monthly rate for the local transport rate element is as set forth in 6.7.12.C following.

B. Optional Features

1. Common Switching Optional Features

   a. Automatic Number Identification (ANI)

   b. Service Class Routing

   c. Alternate Traffic Routing

6. SWITCHED ACCESS SERVICE (CONT'D)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.4 Feature Group D (FGD) (Cont'd)

B. Optional Features (Cont'd)

1. Common Switching Optional Features (Cont'd)
   d. Call Gapping Arrangement
   e. Trunk Access Limitation
   f. End Office Customer Line Service Screening for use with Dedicated Access Line Service
   g. Hunt Group Arrangement for use with Dedicated Access Line Service
   h. Non-hunting Number for use with Hunt Group Arrangement or UCD Arrangement for use with Dedicated Access Line Service
   i. Uniform Call Distribution Arrangement for use with Dedicated Access Line Service
   j. Band Advance Arrangement for use with Dedicated Access Line Service
2. Transport Termination Optional Features
3. Local Transport Optional Features
   a. IC Specification of Feature Group Directionality
   b. Provision of Other Than Company Selected Traffic Routing

C. Transmission Performance

1. FGD is provided with either Type A, Type B or Type C Transmission Performance as follows:
   a. When routed directly to the end office either Type B or Type C is provided.
   b. When routed to an access tandem, only Type A is provided.
   c. Type A is provided on the transmission path from the access tandem to the end office.
2. Type C Transmission Performance is provided with Interface Group 1. Type A and Type B Transmission Performances are provided with Interface Groups 2 through 7.
3. Type DA Data Transmission Parameters are provided for the transmission path between the IC terminal location and the access tandem and between the access tandem and the end office. Type DB Data Transmission Parameters are provided with FGD for the transmission path between the IC terminal location and the end office when directly routed to the end office.

D. Testing Capabilities

FGD is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. Additional Cooperative Acceptance Testing, Automatic Scheduled Testing, Cooperative Scheduled Testing, Manual Scheduled Testing and Non-Scheduled Testing, will be provided for FGD as set forth in 13. following.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.5 800 Access [Ten Digit Screening] Service

A. Service Description

1. Originating 800 Access Ten Digit Screening Service is a trunk-side switched service that is available to the IC via 800 Access Ten Digit Screening Service Switched Access Trunk Groups. 800 Service Switched Access Trunk Groups, from the Company's SSP equipped end office or access tandem to the IC, will be provided in conjunction with FGD Service.
2. 800 Access Ten Digit Screening Service provides for routing 800 originating calls based on the dialed ten digit 800 number except for 800 calls to Canada, Bermuda, and the Bahamas. Routing for 800 calls to these areas will be based on the first six digits of the dialed 800 number and the terms, conditions and rates applicable to 800 Access Ten Digit Screening Service also apply to these calls.
3. When a 1+800+NXX-XXXX call is originated by an end user, the Company will use the dialed ten digits to determine the IC location to which the call is to be routed. If the call originates from an end office switch not equipped to provide the IC identification function, the call will be routed to an office switch at which the function is available. Once IC identification has been established, the call will be routed to the IC for completion.

B. Provision of Service

1. The manner in which 800 Access Ten Digit Screening Service is provided is dependent on the capability of the end office from which the service is provided, as outlined following:

   a. When an 800 call originates at an end office equipped with equal access and Service Switching Point (SSP) IC identification capabilities, 800 Ten Digit Screening Service will be provisioned in accordance with the technical characteristics available with FGD.

   b. When an 800 call originates at an end office equipped with equal access capability only (i.e., without SSP IC identification capabilities), the 800 call will be delivered to the equal access tandem on which the end office is homed and which is equipped with the SSP feature for IC identification. 800 Access Ten Digit Screening Service will be provisioned in accordance with the technical characteristics available with FGD Service.

   c. When an 800 call originates at an end office not equipped with equal access signaling and that end office's normal call recording function is performed at the tandem on which the end office is homed and which tandem is also equipped with the SSP feature, the 800 call will be delivered to the tandem for call routing and IC identification. 800 Access Ten Digit Service will be provided in conjunction with FGD Service from the SSP equipped access tandem to the IC.

   d. When an 800 call originates at an end office not equipped with equal access signaling and that end office's normal call recording function is performed at a location other than a tandem equipped with the SSP feature for IC identification, the 800 call will be delivered to an SSP equipment tandem. 800 Access Ten Digit Screening Service will be provided in conjunction with FGD Service from the SSP equipped access tandem to the IC except when more than one tandem is employed in the transport of an 800 Access Ten Digit Screening Service call for which standard transmission characteristics are not guaranteed. SWITCHED ACCESS SERVICE

   Additionally, 800 Access Ten Digit Screening Service usage measurement shall be in accordance with the regulations set forth in 6.7 following for Feature Groups C, D or FGD Access Service with CCSAC as appropriate. Specifically, for usage originating from end offices not equipped with equal access capabilities, access minutes shall be measured in the same manner in which Feature Group C access minutes are measured. For usage originating from end offices equipped with equal access capabilities, access minutes shall be measured in the same manner in which Feature Group D access minutes are measured.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.5 800 Access [Ten Digit Screening] Service (Cont'd)

B. Provision of Service (Cont'd)

2. The IC has the option of having the dialed 800 number (i.e., 800+NXX+XXXX) or the ten digit POTS number (i.e., NPA+NXX+XXXX) delivered. If the IC desires to have the POTS number delivered, the IC must order 800 to POTS Number Delivery as set forth in 22.5.32. following.
3. 800 Access Ten Digit Screening Service will be provisioned in conjunction with FGD Service with two exceptions (i.e., design blocking criteria and ANI information digits).

   a. Design blocking criteria is dependent on the status of the end office from which the service is provided (i.e., equipped with equal access capabilities or not equipped with equal access capabilities). The design blocking criteria for 800 Access Ten Digit Screening Service is set forth in 6.5.7.A.4. following.

   b. Unless prohibited by technical limitations of the IC's terminating switch (e.g., different dialing plans or restrictions in the ability to identify various combinations of ANI information, i.e., three digit versus ten digit ANI on certain calls), the IC's 800 Access Ten Digit Screening Service traffic may, at the option of the IC, be combined in the same trunk group arrangement with the IC's non-800 Access Ten Digit Screening Service traffic. When required by technical limitations, or at the request of the IC, a separate trunk group will be established for 800 Access Ten Digit Screening Service. 0+ and 0- calling arrangements are not available with 800 Access Ten Digit Screening Service.

   800 Access Ten Digit Screening Service originating from equal access end offices and equal access tandems equipped with the SSP feature for IC identification will be provided using Feature Group D signaling without overlap outpulsing. Feature Group D signaling may be provided either with or without three digit or ten digit ANI. 800 Access Ten Digit Screening Service originating from SSP equipped end offices not having equal access capabilities will be provided to the IC in a FGD signaling format without overlap outpulsing.

   Additionally, ANI information digits which identify the call as an 800 call are also provided when the IC orders the ANI and POTS delivery optional features. The provision of these information digits is described in 6.3.1.F. following.
4. FGD parameters, as specified in 6.2.4 preceding, and IC Facility Interface Codes, as specified in 6.1.3.A.1. preceding, apply to 800 Access Ten Digit Screening Service.
5. For 800 Access Ten Digit Screening Service traffic originating from all other end offices, FGC parameters specified in 6.2.3 preceding apply.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.6 500 Access Service

A. 500 Access Service is an originating Trunk Side Switched Access Service. 500 Access Service will be provided in conjunction with FGC or FGD Access or in accordance with the technical characteristics of FGC or FGD Access.

B. 500 Access Service is available with 1+ only, 0+ only, or 1+ and 0+ dialing capability, with 1+ and 0+ the standard. If 1+ only or 0+ only dialing capability is requested, service rearrangement charges as specified in 0 following are applicable for 500 traffic terminating to existing trunk groups.

C. When a 1+ or 0+500+NXX+XXXX call is originated by an end user, the Company will perform the customer identification function, based on the first six digits of the dialed 500 Number to determine the customer location to which the call is to be routed. After the customer identification function is performed, the call will be routed to the customer over originating FGC or FGD, or in accordance with the technical characteristics of FGC or FGD.

D. The manner in which 500 Access Service is provided is dependent on the status of the end office from which the service is provided as outlined following:

1. When a 500 call originates from an end office equipped with equal access and Service Switching Point (SSP) customer identification capabilities, 500 Access Service will be provisioned in accordance with the technical characteristics available with FGD via a database look-up at the SCP.
2. When a 500 call originates from an end office equipped with equal access capability only (i.e., without SSP customer identification capabilities), the end office will perform the customer identification function via NXX translations. The 500 traffic is then delivered to the customer via FGD.
3. When a 500 call originates from an end office not equipped with equal access signaling, and that end office's normal call recording function is performed at the tandem on which the end office is homed, and that tandem is also equipped with the capability to perform a NXX translation, the 500 call will be delivered to the tandem for call routing and customer identification. The 500 call will be delivered via FGC or FGD, or in accordance with the technical characteristics of FGC or FGD.
4. When a 500 call originates from an end office not equipped with equal access signaling, and that end office's normal call recording function is performed at a location other than a tandem equipped with the capability to perform a NXX translation, the 500 call will be delivered to a tandem capable of performing a NXX translation. Such service will be provided in conjunction with FGD access from the access tandem capable of performing a NXX translation to the customer, except when more than one tandem is employed in the transport of a 500 Access Service call for which standard transmission characteristics are not guaranteed.

E. 500 Access Service will be provisioned in conjunction with FGC or FGD access, with two exceptions (i.e., design blocking criteria and ANI information digits).

F. Design blocking criteria, is dependent on the status of the end office from which the service is provided (i.e., equipped with equal access capabilities or not equipped with equal access capabilities). The design blocking criteria for 500 Access Service is set forth in 6.5.7 following.

G. Unless prohibited by technical limitations of the customer's terminating switch (such as different dialing plans or restrictions in the ability to identify various combinations of ANI information, i.e., 3 digit versus 10 digit ANI on certain calls) the customer's 500 Access Service traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's non-500 Access Service traffic. When required by technical limitations, or at the request of the customer, a separate trunk group will be established for 500 Access Service. 0- calling arrangements are not available with 500 Access Service.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.6 500 Access Service (Cont'd)

H. Additionally, 500 Access Service usage measurement shall be in accordance with the regulations set forth in 6.7.8 following for Feature Group C or D. Specifically, for usage originating from end offices not equipped with equal access capabilities, access minutes shall be measured in the same manner in which Feature Group C access minutes are measured. For usage originating from end offices equipped with equal access capabilities, access minutes shall be measured in the same manner in which Feature Group D access minutes are measured.

I. Premise Interface Codes as set forth in 6.1.3.A.5. preceding for FGD also apply to 500 Access Service.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.3 Common Switching and Transport Termination Non-chargeable Optional Features

6.3.1 Common Switching Optional Features

A. Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with the Feature Groups.

1. Call Denial on Line or Hunt Group

   This option allows for the screening of terminating calls within the LATA, and for completion only of calls to 411, 611, 911, 800, 555-1212, and a Company specified set of NXXs within the Company local exchange calling area of the dial tone office in which the arrangement is provided. All other "toll" calls are routed to a reorder tone or recorded announcement. This feature is provided in all Company electronic end offices and, where available, in electromechanical end offices. It is available with Feature Group A.

2. Service Code Denial on Line or Hunt Group

   This option allows for the screening of terminating calls within the LATA, and for disallowing completion of calls to 0- and N11 (e.g., 411, 611 and 911). This feature is provided where available in all Company electronic end offices and electromechanical end offices. It is available with Feature Group A.

3. Hunt Group Arrangement

   This option provides the ability to sequentially access one of two or more line side connections in the originating direction, when the access code of the line group is dialed. It is available with Feature Group A. This arrangement contemplates one access code (i.e., telephone number) per arrangement.

4. Uniform Call Distribution Arrangement

   This option provides a type of multiline hunting arrangement which provides for an even distribution of calls among the available lines in a hunt group. Where available, this feature is provided in Company electronic end offices only. It is available with Feature Group A.

5. Non-hunting Number for use with Hunt Group or Uniform Call Distribution Arrangement

   This option provides an arrangement for an individual line within a multiline hunt or UCD group that provides access to that line within the hunt or UCD group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is provided in Company electronic end offices only. It is available with Feature Group A.

6. Automatic Number Identification (ANI)

   This option provides the automatic transmission of a three, seven or ten digit number and information digits to the IC terminal location for calls originating in the LATA, to identify the geographical calling area (NPA) or the calling station. ANI will identify the calling station, where possible, or at a minimum, identify the NPA from which the call originated. The three, seven or ten digit numbers will contain the following information: for three digit numbers, NPA only; for seven digit numbers, NXX+XXXX; for ten digit numbers, NPA+NXX+XXXX. With the exception of three digit ANI, the ANI feature is an end office software function which is associated on a call-by-call basis with (1) all individual transmissions paths in a trunk group routed directly between an end office and an IC's terminal location or, where technically feasible, with (2) all individual transmission paths in a trunk group between an end office and an access tandem, and a trunk group between an access tandem and an IC's terminal location.

   Three digit ANI is a software function of the SSP feature which is used in conjunction with 800 Access Ten Digit Screening Service and occurs whenever the SSP feature detects an 800 Access Ten Digit Screening Service call that does not include the originating caller's ANI.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.3 Common Switching and Transport Termination Non-chargeable Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

A. (Cont'd)

6. Automatic Switching Optional Features (Cont'd)

Three digit ANI, the originating NPA of the 800 call, is available with FGD routed traffic only. Three digit ANI will be transmitted to the IC on all 800 Access Ten Digit Screening Service calls that are processed by the SSP feature for which a complete ANI is not received from the subtending office that originates the 800 call. This includes, but is not limited to: (1) non equal access end offices which have their call recording function performed at a location other than the office which is performing the 800 Access Ten Digit Screening Service function, (2) calls from non equal access switches that encounter an ANI failure, and (3) ANI failures from non equal access switches which have their call recording function performed by the office which supports the 800 Access Ten Digit Screening Service function.

The seven digit ANI telephone number is available with Feature Groups B and C. With these Feature Groups, technical limitations may exist in Company switching facilities which require ANI to be provided only on a directly trunked basis. Where direct trunking would not have been provided except as required by the provision of ANI, additional charges will apply for Provision of Other Than Company Selected Traffic Routing, as set forth in 22.2.3.C. following. ANI will be transmitted on all calls except those originating from multi-party lines, coin stations using Feature Group B, or when an ANI failure has occurred.

The ten digit ANI telephone number is only available with Feature Group D. The ten digit ANI telephone numbers consists of the Numbering Plan Area (NPA) plus the seven digit ANI telephone number. The ten digit ANI telephone number will be transmitted on all calls except those identified as multi-party line or ANI failure in which case only the NPA will be transmitted (in addition to the information digit described *following).*

Generally, the three digit and ten digit ANI telephone number is available with FGD and with 800 Access Ten Digit Screening Service that uses FGD on a per class of service basis. The ten digit ANI number will be transmitted on calls except those where ANI cannot be provided because the conditions set forth following exists or, those from end offices not equipped to provide ANI. In these instances, only the three digit ANI and the information digits described as follows, if applicable, will be transmitted. Additionally, when the IC has ordered the 800 to POTS Number Delivery feature, information digits (i.e., 24) which identify the call as a 800 call will be forwarded to the IC's terminal location in addition to the ten digit POTS number. These information digits will also replace the information digits which identify the conditions set forth following when a POTS number is delivered to the IC's terminal location.

With FGC *Service,* ANI is provided from end offices at which Company recording for end user billing is not provided, or where it is not required, as with 800 Service. It is not provided from end offices for which the Company needs to forward ANI to its recording equipment.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.3 Common Switching and Transport Termination Non-chargeable Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

A. (Cont'd)

6. Automatic Switching Optional Features (Cont'd)

Where ANI cannot be provided Information digits will be provided to the IC which indicate the following:

The Information digits identify:

Telephone number is the station billing number - no special treatment is required.

ANI failure has occurred in the end office switch which prevents identification of calling telephone number - must be obtained by operator or in some other manner.

Hotel/Motel originated call which requires room number identification.

Coinless station, hospital, inmate, etc., call which requires special screening or handling by the IC, and

Call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment.

The ANI telephone number is the listed telephone number of the customer and is not the telephone number of the calling party. These ANI information digits are available with Feature Groups B, C, and D.

Additional ANI information digits are available with Feature Group D only. They indicate the following:

InterLATA restricted - telephone number is identified line.

InterLATA restricted - Hotel/Motel line.

InterLATA restricted - Coinless, hospital, inmate, etc., line.

These information digits will be transmitted as agreed to by the IC and the Company.

7. Up to 7 Digit Outpulsing of Access Digits to IC

This option provides for the end office capability of providing up to 7 digits of the uniform access code (950-10XX) to the IC terminal location. The IC can request that only some of the digits in the access code be forwarded. The access code digits would be provided to the IC terminal location using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. It is available with Feature Group B.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.3 Common Switching and Transport Termination Non-chargeable Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

A. (Cont'd)

8. Dial Pulse Address Signaling

This trunk side option provides for the transmission of number information, e.g., called number, between the end office switching system and the IC's terminal location (in either direction) by means of direct current pulses. It is available with Feature Groups C and E.

9. Service Class Routing

This option provides the capability of directing originating traffic from an end office to a trunk group to an IC-designated terminal location, based on the line class of service (e.g., coin, multiparty or hotel/motel) service prefix indicator (e.g., 0-, 0+ or 01+) or service access code (e.g., *500*, 600, 700, 800 or 900). It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups C and D.

10. Alternate Traffic Routing

This option provides the capability of directing originating traffic from an end office (or appropriately equipped access tandem) to a trunk group (the "high usage" group) to an IC designated terminal location until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or access tandem to a different trunk group (the "final" group) to a second IC designated terminal location. The IC shall specify the last trunk CCS desired for the high usage group.

It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups B, C and D.

11. Trunk Access Limitation

This option provides for the routing of originating *500*, 600, 700, 800 or 900 service calls to a specified number of transmission paths in a trunk group, in order to limit (choke) the completion of such traffic to the IC. Calls to the designated service which could not be completed over the subset of transmission paths in the trunk group, i.e., the choked calls, would be routed to reorder tone.

It is provided in all Company electronic end offices and where available in electromechanical end offices. It is available with Feature Groups C and D.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.3 Common Switching and Transport Termination Non-chargeable Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

A. (Cont'd)

12. Call Gapping Arrangement

This option, provided in suitably equipped end office switches, provides for the routing of originating calls to 101XXXX or service codes 500, 600, 700, 800 or 900 Service to be switched in the end office to all transmission paths in a trunk group at a prescribed rate of flow, e.g., one call every five seconds, in order to limit (choke) the completion of such traffic to the IC. Calls to the designated service which are denied access by this feature, i.e., the choked calls, would be routed to a no circuit announcement. It is provided in selected Feature Group D equipped end offices and is available only with Feature Group D.

13. Class of Call Screening

This option provides a class mark on FGE terminating trunk side arrangement, which allows for the restriction of terminating operator assisted (0-,0+) calls to collect, credit card or third number billing. This option is available with Feature Group E.

14. Band Advance Arrangement for use with Dedicated Access Line Service

This option, which is provided in association with two or more Dedicated Access Line Service (DALS) groups, provides for the automatic overflow of terminating calls to a DALS group, when that group has exceeded its call capacity, to another DALS group with a band designation equal to or greater than that of the overflowing DALS group. This arrangement does not provide for call overflow from a group with a higher band designation to one with a lower one. This option is available with Feature Groups C and D.

15. End Office Customer Line Service Screening for use with Dedicated Access Line Service

This option provides the ability to verify that a customer has dialed a called party address (by screening the called NPA and/or NXX on the basis of geographical bands selected by the Company) which is in accordance with that customer's service agreement with the IC, i.e., WATS. This option is provided in all Company electronic end offices and, where available, in electromechanical end offices in which Dedicated Access Line Service is provided. It is available with Feature Groups C and D.

16. Hunt Group Arrangement for use with Dedicated Access Line Service

This option provides the ability to sequentially access one of two or more Dedicated Access Line Services (e.g., 800 Service access lines) in the terminating direction, when the hunting number of the Dedicated Access Line Service group is forwarded from the IC to the Company. It is available with Feature Groups C and D. This feature is provided in all Company end offices in which Dedicated Access Line Service is provided.

17. Uniform Call Distribution Arrangement for use with Dedicated Access Line Service

This option provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available Dedicated Access Line Services in the hunt group. Where available, this feature is only provided in Company electronic end offices in which Dedicated Access Line Service is provided. It is available with Feature Groups C and D.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.3 Common Switching and Transport Termination Non-chargeable Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

A. (Cont'd)

18. Nonhunting Number for use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for use with Dedicated Access Line Service

This option provides an arrangement for an individual Dedicated Access Line Service within a multiline hunt or uniform call distribution group that provides access to that Dedicated Access Line Service within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in Company electronic end offices in which Dedicated Access Line Service is provided. This option is available with Feature Groups C and D.

6.3.2 Transport Termination Optional Features

A. Following are descriptions of various optional features that are available in lieu of, or in addition to, the standard features provided with the Feature Groups.

1. Rotary Dial Station Signaling

This option provides for the transmission of called party address signaling from rotary dial stations to the IC terminal location for originating calls. This option is provided in the form of a specific type of Transport Termination. It is available with Feature Group B, only on a directly trunked basis. When direct trunking would not have been provided except as required by the provision of rotary dial station signaling, additional charges will apply for the Provision of Other Than Company Selected Traffic Routing, as set forth in 22.2.3.B. following.

2. Operator Trunk - Coin, Non-Coin or Combined Coin and Non-Coin

This option may be ordered to provide coin, non-coin, or combined coin and non-coin operation. It is available only with Feature Group C and is provided in electronic end offices and other Company end offices where equipment is available. It is provided as a trunk type of Transport Termination.

When this feature may, because of technical limitations, only be provided on a directly trunked basis, and when direct trunking would not have been provided except as required by the provision of this feature, additional charges will apply for the Provision of Other Than Company Selected Traffic Routing, as set forth in 22.2.3.B. following.

Coin

This arrangement provides for initial coin return control and routing of 0+, 0-, 1+ or 01+ prefixed originating coin calls requiring operator assistance to the IC's terminal location. Because operator assisted coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

The operator assistance coin calling arrangement is also normally ordered by the IC in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the IC's TSPS systems, rather than in the IC's manual cord boards.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.3 Common Switching and Transport Termination Non-chargeable Optional Features (Cont'd)

6.3.2 Transport Termination Optional Features (Cont'd)

A. (Cont'd)

2. Operator Trunk Coin, Non Coin or Combined Coin and Non Coin (Cont'd)

Non-Coin

This arrangement provides for the routing of 0+, 0-, 1+ or 01+ prefixed originating non-coin calls requiring operator assistance to the IC's terminal location. Because operator assisted non-coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option. The operator assistance non-coin calling arrangement is also normally ordered by the IC in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the IC's TSPS systems, rather than in the IC's manual cord boards. When so equipped, the ANI feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for coinless public stations, dormitory, inmate stations or other screening arrangements agreed to between the IC and the Company.

3. Operator Trunk - Full Feature

This option provides the initial coin return control function to the IC's operator. It is available with Feature Group D and is provided as a trunk type of Transport Termination.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.4 Transmission Performance Capabilities

Each Switched Access Service transmission path is provided with a standard transmission performance. There are three different standard performances (Types A, B and C). The standard for a particular transmission path is dependent on the Feature Group, the Interface Group and whether the service is directly routed or via an access tandem. The available transmission performances are set forth in 6.4.1. following. Data Transmission Parameters are also provided with each Switched Access Service Transmission path. The Company will, upon receipt of a trouble report from the IC, conduct tests, either independently or cooperatively with the IC as appropriate, and take any necessary action to insure that the parameters are set forth in 6.4.2.A. or 6.4.2.B. following are met. The testing will be charged for at the rates set forth in 13. following for Non-scheduled Testing.

The Company will maintain existing transmission performance on service configurations installed prior to January 1, 1984. All service configurations installed after January 1, 1984, will conform to the transmission performance standards contained in this Tariff, except as follows. Where local facility conditions cannot support the transmission performance standards contained in this Tariff, transmission standards that can be supported will be uniformly applied to all ICs.

6.4.1 Standard Transmission Performance

A. Following are descriptions of the three Standard Transmission Performances available with Switched Access Service. Their specific applications in terms of the Feature Groups and Interface Groups with which they are provided are set forth in 6.2.1.C., 6.2.2.C., 6.2.3.C. *and* 6.2.4.C. preceding.

Transmission Performance Type A
Transmission Performance Type A is provided with the following parameters:

1. Loss Deviation

   The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is +/- 2.0 dB.

2. Attenuation Distortion

   The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz is -1.0 dB to +3.0 dB.

3. C-Message Noise

   The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

C Message Noise	Route Miles
32 dBrnCO	less than 50
34 dBrnCO	51 to 100
37 dBrnCO	101 to 200
40 dBrnCO	201 to 400
42 dBrnCO	401 to 1000

4. C-Notch Noise

   The maximum C-Notch Noise, utilizing a-16 dBmO holding tone is less than or equal to 45 dBrnCO.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.4 Transmission Performance Capabilities (Cont'd)

6.4.1 Standard Transmission Performance (Cont'd)

A. Transmisson Performance Type A (Cont'd)

5. Echo Path Loss

Echo Control, identified as Equal Level Echo Path Loss, and expressed as Echo Return Loss and Singing Return Loss , is dependent on the routing, i.e., whether the service is routed directly from the IC Point of Interface (POI) to the end office or via an access tandem. It is equal to or greater than the following:

Routing Configuration	Echo Return Loss	Singing Return Loss
POI to Access Tandem	21 dB	14 dB
POI to End Office		
-Direct	N/A	N/A
-Via Access Tandem	16 dB	11 dB

6. Standard Return Loss

Standard Return Loss expressed as Echo Return Loss and Singing Return Loss on two-wire ports of a four-wire point of interface shall be equal to or greater than:

Echo Return Loss	Singing Return Loss
5 dB	2.5 dB

B. Transmission Performance Type B

Transmission Performance Type B is provided with the following parameters:

1. Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is +/- 2.5 dB.

2. Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +4.0 dB.

3. C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

		C Message Noise
Route Miles	**Type B1**	**Type B2**
less than 50	32 dBrnCO	35 dBrnCO
51 to 100	33 dBrnCO	37 dBrnCO
101 to 200	35 dBrnCO	40 dBrnCO
201 to 400	37 dBrnCO	43 dBrnCO
401 to 1000	39 dBrnCO	45 dBrnCO

For Feature Groups C, D, *500 Access Service and 800 Access Service*, only Type B2 will be provided. For Feature Groups A and B, Type B1 will be provided where facility network conditions will support the parameters. Where the Type B1 parameters cannot be supported, Type B2 will be provided.

4. C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone is less than or equal to 47 dBrnCO.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.4 Transmission Performance Capabilities (Cont'd)

6.4.1 Standard Transmission Performance (Cont'd)

B. Transmission Performance Type B (Cont'd)

5. Echo Control

Echo Control, identified as Impedance Balance for FGA and FGB and Equal Level Echo Path Loss for FGC and FGD, and expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL) is dependent on the routing, i.e., whether the service is routed directly from the IC Point of Interface (POI) to the end office or via an access tandem. The ERL and SRL also differ by Feature Group, type of termination, and type of transmission path. They are equal to or greater than the following:

Routing Configuration	Echo Return Loss	Singing Return Loss
POI to Access Tandem		
- Terminated in 4 Wire trunk	21 dB	14 dB
-Terminated in 2 Wire trunk	16 dB	11 dB
POI to End Office		
-Direct	16 dB	11 dB
-Via Access Tandem		
For FGB access	8 dB	4 dB
For FGC access (Effective 4 Wire transmission path at end office)	16 dB	11 dB
For FGC access (Effective 2 Wire transmission path at end office)	13 dB	6 dB

6. Standard Return Loss

Standard Return Loss, expressed as Echo Return Loss and Singing Return Loss, on two-wire ports of a four-wire point of interface shall be equal to or greater than:

Echo Return Loss	Singing Return Loss
5 dB	2.5 dB

C. Transmission Performance Type C

Transmission Performance Type C is provided with the following parameters:

1. Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is +/- 3.0 dB.

2. Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +5.5 dB.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.4 Transmission Performance Capabilities (Cont'd)

6.4.1 Standard Transmission Performance (Cont'd)

C. Transmission Performance Type C (Cont'd)

3. C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

	C Message Noise	
Route Miles	**Type C1**	**Type C2**
less than 50	32 dBrnCO	38 dBrnCO
51 to 100	33 dBrnCO	39 dBrnCO
101 to 200	35 dBrnCO	41 dBrnCO
201 to 400	37 dBrnCO	43 dBrnCO
401 to 1000	39 dBrnCO	45 dBrnCO

For Feature Groups C, *500 Access Service*, and 800 Access Service only Type C2 will be provided. For Feature Groups A and B, Type C1 or C2 will be provided as set forth in Technical Reference TR-NPL-000334.

4. C-Notch Noise

The maximum C-Notch Noise, utilizing a-16 dBmO holding tone is less than or equal to 47 dBrnCO.

5. Echo Control

Echo Control, identified as Return Loss and expressed as Echo Return Loss and Singing Return Loss, is dependent on the routing, i.e., whether the service is routed directly from the IC Point of Interface (POI) to the end office or via an access tandem. It is equal to or greater than the following:

Routing Configuration	**Echo Return Loss**	**Singing Return Loss**
POI to Access Tandem	13 dB	6 dB
POI to End Office		
Direct	13 dB	6 dB
Via Access Tandem (For FGB Only)	8 dB	4 dB

6.4.2 Data Transmission Parameters

Two types of Data Transmission Parameters, i.e., Type DA and Type DB, are provided. The specific applications in terms of Feature Groups with which they are provided are set forth in 6.2.1.C., 6.2.2.C., 6.2.3.C. and 6.2.4.C. Following are descriptions of each.

A. Data Transmission Parameters - Type DA

1. Signal to C-Notched Noise Ratio

The Signal to C-Notched Noise Ratio is equal to or greater than 33 dB.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.4 Transmission Performance Capabilities (Cont'd)

6.4.2 Data Transmission Parameters (Cont'd)

A. Data Transmission Parameters Type DA (Cont'd)

2. Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

604 to 2804 Hz	
less than 50 route miles	500 microseconds
equal to or greater than 50 route miles	900 microseconds
1004 to 2404 Hz	
less than 50 route miles	200 microseconds
equal to or greater than 50 route miles	400 microseconds

3. Impulse Noise Counts

The Impulse Noise Counts exceeding a 65 dBrnCO threshold in 15 minutes is no more than 15 counts.

4. Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order (R2)	33 dB
Third Order (R3)	37 dB

5. Phase Jitter

The Phase Jitter over the 4 to 300 Hz frequency band is less than or equal to 5 degrees peak-to-peak.

6. Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

B. Data Transmission Parameters - Type DB

1. Signal to C-Notched Noise Ratio

The Signal to C-Notched Noise Ratio is equal to or greater than 30 dB.

2. Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

604 to 2804 Hz	
less than 50 route miles	800 microseconds
equal to or greater than 50 route miles	1000 microseconds
1004 to 2404 Hz	
less than 50 route miles	320 microseconds
equal to or greater than 50 route miles	500 microseconds

6. SWITCHED ACCESS SERVICE (CONT'D)

6.4 Transmission Performance Capabilities (Cont'd)

6.4.2 Data Transmission Parameters (Cont'd)

B. Data Transmission Parameters Type DB (Cont'd)

3. Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dBrnCO threshold in 15 minutes is no more than 15 counts.

4. Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order (R2)	31 dB
Third Order (R3)	34 dB

5. Phase Jitter

The Phase Jitter over the 4 to 300 Hz frequency band is less than or equal to 7 degrees peak-to-peak.

6. Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

6.5 Obligations of the Company

In addition to the obligations of the Company set forth in 2. preceding, the Company has certain other obligations pertaining only to the provision of Switched Access Service. These obligations are as follows:

6.5.1 Network Management

The Company will administer its network to ensure the provision of acceptable service levels to all telecommunications users of the Company's network services. The Company maintains the right to apply protective controls on any traffic that it carries over its network, including an IC's Switched Access Service, in order to prevent unsatisfactory performance to other users.

6.5.2 Design and Traffic Routing of Switched Access Service

The Company where appropriate shall design and determine the routing of Switched Access Service, including the selection of the first point of switching and the selection of facilities from the interface to any switching point and to the end offices where busy hour minutes of capacity are ordered unless the IC orders the optional feature provision of Other than Company Selected Traffic Routing. The Company shall also decide if capacity is to be provided by originating only, terminating only, or two-way trunk group unless the IC orders the optional feature IC Specification of Feature Group Directionality. Finally, the Company will decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment. However, for Feature Group B the IC may order the optional feature IC Specification of Local Transport Termination. Selection of facilities and equipment and traffic routing of the service are based on standard engineering methods, available facilities and equipment and the Company traffic routing plans.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.5 Obligations of the Company (Cont'd)

6.5.3 Provision of Service Performance Data

With the agreement of the Company, service performance data for an IC's Switched Access Service will be made available to the IC, based on previously arranged intervals and format. These data may include, but are not limited to, IC equipment blockage, failure results and transmission performance. If the data are to be provided through a mechanized exchange of data, the cost of such exchange will be determined on an individual case basis and must be borne by the IC. Provision of the data in paper format will be at no cost.

6.5.4 Trunk Group Measurements Reports

With the agreement of the Company, trunk group data in the form of usage in CCS, peg count and overflow, where technologically feasible, will be made available to the IC based on previously agreed to intervals.

6.5.5 Determination of Number of Transmission Paths

The Company will determine the number of Switched Access Service transmission paths to be provided for the Switched Access busy hour minutes of capacity ordered. A transmission path is a communication path within the frequency bandwidth of approximately 300 to 3000 Hz or a derived communication path of a frequency bandwidth of approximately 300 to 3000 Hz provided over a high frequency analog facility or a high speed digital facility between an IC, end user or Company location and another IC, end user or Company location. The number of transmission paths will be developed using the total busy hour minutes of capacity by type (as described in 6.1.3.A. preceding) for the end offices for each Feature Group ordered from an IC terminal location. The total busy hour minutes of capacity by type for the Feature Group end office will be converted to transmission paths using standard Company traffic engineering methods for all Feature Groups except for FGA which will be converted on the basis of 30 busy hour minutes of capacity per transmission path. The number of transmission paths provided shall be the number required based on (1) the use of access tandem switches and end office switches, (2) the use of end office switches only, or (3) the use of tandem switches only.

6.5.6 Determination of Number of End Office Transport Terminations

For analog entry switches, a termination will be provided for each transmission path provided. For digital entry switches, an equivalent termination will be provided for each transmission path provided.

6.5.7 Design Blocking Probability

A. The Company will design the facilities used in the provision of Switched Access Service to meet the blocking probability criteria as set forth in 1. through 4 following.

The Company will maintain existing blocking performance on service configurations installed prior to January 1, l984. All service configurations installed after January 1, l984 will conform to the blocking objectives contained in this Tariff except as follows. Where local facility conditions cannot support the blocking objectives contained in this Tariff, blocking objectives that can be supported will be uniformly applied to all ICs.

1. For Feature Group A, no design blocking criteria apply.
2. For Feature Groups B and C, the design blocking objective will be no greater than one percent (.01) between the point of interface at the IC terminal location and the first point of switching when traffic is directly routed without an alternate route. Standard traffic engineering methods will be used by the Company to determine the number of transmission paths required to achieve this level of blocking.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.5 Obligations of the Company (Cont'd)

6.5.7 Design Blocking Probability (Cont'd)

A. (Cont'd)

3. For Feature Group D, the design blocking objective will be no greater than one percent (.01) between the point of interface at the IC terminal location and the end office switch, whether the traffic is directly routed without an alternate route or when routed via an access tandem. Standard traffic engineering methods will be used by the Company to determine the number of transmission paths required to achieve this level of blocking.
4. The design blocking criteria for ***500 Access Service and*** 800 Access Service provided from an end office not equipped with equal access capabilities will be equivalent to that set forth preceding for Feature Group C except when more than one tandem is employed in the transport of an 800 Access Service call. The design blocking criteria for ***500 Access Service and*** 800 Access Service provided from an end office equipped with equal access capabilities will be equivalent to that set forth preceding for Feature Group D except when more than one tandem is employed in the transport of an ***500 Access Service and*** 800 Access Service call.
5. The Company will perform routine measurement functions except on Feature Group A to assure that an adequate number of transmission paths are in service. The Company will recommend that additional busy hour minutes of capacity be ordered by the IC when additional paths are required to reduce the measured blocking to the designed blocking level. Where design blocking criteria apply, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the threshold listed in the following tables.

   a. For transmission paths carrying only first routed traffic direct between an end office and an IC terminal location without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:

Number of Transmission Paths	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Per Trunk Group			
	15-20 Measurements	11-14 Measurements	7-10 Measurements	3-6 Measurements
2	.070	.080	.090	.140
3	.050	.060	.070	.090
4	.050	.060	.070	.080
5-6	.040	.050	.060	.070
7 or more	.030	.035	.040	.060

   b. For transmission paths carrying first routed traffic between an end office and an IC terminal location via an access tandem, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Per Trunk Group			
	15-20 Measurements	11-14 Measurements	7-10 Measurements	3-6 Measurements
2	.045	.055	.060	.096
3	.035	.040	.045	.060
4	.035	.040	.045	.055
5-6	.025	.035	.040	.045
7 or more	.020	.025	.030	.040

6. SWITCHED ACCESS SERVICE (CONT'D)

6.6 Obligations of the IC

In addition to the obligations of the IC set forth in 2. preceding, the IC has certain specific obligations pertaining to the use of Switched Access Service. These obligations are as follows:

6.6.1 Report Requirements

A. ICs are responsible for providing the following reports to the Company, when applicable.

1. Jurisdictional Reports

   When an IC orders Switched Access Service for both interstate and intrastate use, the IC is responsible for providing reports as set forth in 2.3.14. preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the intrastate charges is set forth in 2.3.15. preceding.

2. LATA Default Percent Interstate Use (PIU) Report

   When an IC orders Switched Access to any end office in a LATA, it must provide a projected percentage of interstate use that will serve as a default PIU for the entire LATA. This figure will be used to apportion charges for usage measured at end offices to which the IC has not ordered capacity.

3. Code Screening Reports

   When an IC orders service class routing, trunk access limitation or call gapping arrangements, it must report the number of trunks and/or appropriate codes to be instituted in each end office or access tandem switch, for each of the arrangements ordered.

4. ***500*** NXX Code Reports

   When ordering *500* Access Service, the IC must report the appropriate *500* NXX code(s) to be instituted in each Company office at which the IC identification function is performed. The report must be updated by the IC each time a change is scheduled to occur, i.e., when a new code is to be added or an existing code is to be deleted. Such updated reports shall be provided at least 60 calendar days prior to the effective date of the change in order to allow the Company sufficient time to implement the change.

6.6.2 On and Off-Hook Supervision

The IC facilities shall provide the necessary on and off-hook supervision.

6.6.3 Trunk Group Measurements Report

A. With the agreement of the IC, trunk group data in the form of usage in CCS, peg count and overflow for its end of all access trunk groups, where technologically feasible, will be made available to the Company. These data will be used to monitor trunk group utilization and service performance and will be based on previously arranged intervals and format.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.7 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Switched Access Service.

6.7.1 Types of Rates and Charges

A. There are three types of rates and charges that apply to Switched Access Service. These are monthly recurring rates, usage rates and nonrecurring charges. These rates and charges are applied differently to the various rate elements.

1. Monthly Rates

   Monthly rates are flat recurring rates that apply each month or fraction thereof that a specific rate element is provided. For billing purposes each month is considered to have thirty days.

2. Usage Rates

   a. 800 Access Ten Digit Screening Service

      A per call charge as specified in 22.3.5 following applies for each 800 call utilizing 800 Access Ten Digit Screening Service for which an 800 Access Ten Digit Screening Service IC is identified.

   b. 500 Access Service

      A per call charge, as specified in 22. following, applies for each 500 call.

   Usage rates are rates that apply only when a specific rate element is used. These are applied on a per access minute *or per call* basis. *Usage* charges are accumulated over a monthly period.

3. Nonrecurring Charges

   a. Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation of new service or change to an existing service). The types of nonrecurring charges that apply for Switched Access Service are: installation of new service, installation of optional feature(s), service rearrangements, transfer of service, 500 Access Service and 800 Access Service.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.7 Rate Regulations (Cont'd)

6.7.1 Types of Rates and Charges (Cont'd)

A. (Cont'd)

3. Nonrecurring Charges (Cont'd)

(1) Installation of ***New*** Service

Nonrecurring charges apply to each Switched Access Service installed. For FGA and FGB Switched Access Services, which are ordered on a per line or trunk basis respectively, and for FGD when ordered on a per trunk basis the charge is applied per line or trunk added. Each line or trunk added for FGA and FGB service is assumed to have thirty BHMC.

The installation charge, is applicable on a first and additional line or trunk basis. If an IC places an Access Service Request (ASR) for multiple lines to the same end office or multiple trunks on a common trunk group with the same premises interface code, the first line or trunk on the ASR is assessed the "First" installation charge and each additional line or trunk is assessed the "Additional" installation charge. Services requested on multiple ASRs will be treated as one request when requirements are met, and will receive "First" and "Additional" treatment.

For Switched Access Service ordered on a busy hour minutes of capacity basis, the charge is also applied on a per trunk basis but the charge applies only when the capacity ordered requires the installation of an additional trunk(s). If the capacity ordered requires the addition of more than one trunk, the order will be billed using "First" and "Additional"treatment as described preceding. Installation charges will apply. When an IC orders FGD by quantity of trunks, each trunk is assumed to have thirty BHMC.

(2) Installation of Optional Features

If a separate nonrecurring charge applies for the installation of an optional feature available with Switched Access Service, the charge applies whether the feature is installed coincident with the initial installation of service or at any time subsequent to the initial installation of service. If the optional feature is installed at any time subsequent to the initial installation of service, a change of service charge as set forth in 22. following applies in addition to the installation of optional feature charge.

For optional features for which no separate installation charge is applicable, the optional feature may be installed coincident with the installation of new Switched Access Service. Any additions and/or changes in optional features (excluding disconnection of optional features) subsequent to the installation of new service will be provided as a service rearrangement as set forth in b. following.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.7 Rate Regulations (Cont'd)

6.7.1 Types of Rates and Charges (Cont'd)

A. (Cont'd)

3. Nonrecurring Charges (Cont'd)

b. Service Rearrangements

Nonrecurring charges apply for service rearrangements. Service rearrangements are changes to existing services that do not result in either a change in the minimum period requirements as set forth in 5.2.6 preceding or a change in the physical location of the point of termination at the IC's premises or the IC's end user's premises. Changes which result in the establishment of new minimum, period obligations are treated as discontinuance of service and establishment of new service. Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in 6.7.7 following.

(1) A change which results from a transfer of service, as set forth in 2.1.2 preceding, is described in C. following and charged as set forth in 22. following.

Nonrecurring charges for service rearrangements apply to those additions, changes or rearrangements (excluding disconnection of optional features) made subsequent to the installation of new service.

(2) The charge to the IC for the service rearrangement is dependent on whether the change is administrative only in nature or involves an actual physical change to the service. When actual physical work is required to rearrange the service, the charge to the IC is dependent upon where the work is performed to accomplish the requested change. The applicable charges for service rearrangements are charged on a transmission path, end office and/or end office and tandem level as specified in 22. following.

(3) Administrative changes, as identified following, will be made without charge(s) to the IC. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., IC remains responsible for all outstanding indebtedness for the Access Service). Administrative changes are as follows:

Change of IC name, (i.e., the IC of record does not change but rather the IC of record changes its name--e.g., AT&T-Long Lines to AT&T Communications),

Change of IC or IC's end user premises address when the change of address is not a result of a physical relocation of equipment,

Change in billing data (name, address, or contact name or telephone number. The IC of record does not change.)

Change of IC circuit identification,

Change of billing account number,

Change of IC test contact number,

Change of IC or IC's end user contact name or telephone number,

Change of jurisdiction, and

Change of Agency Authorization.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.7 Rate Regulations (Cont'd)

6.7.1 Types of Rates and Charges (Cont'd)

A. (Cont'd)

3. Nonrecurring Charges (Cont'd)

b. (Cont'd)

(4) All other service rearrangements will be charged for as follows:

If the change involves the addition of an optional feature which has a separate nonrecurring charge, that nonrecurring charge will apply.

If the change involves rearrangement of a IC's existing lines and/or trunk groups, modification in Access Connection or Transport Termination Supervisory Signaling, a change in type of Address Signaling, a change in Transport Termination, the addition and/or modification of an optional feature which does not have a separate nonrecurring charge, and/or other rearrangements that are accomplished via software translations changes made in the common block of the switch (e.g., adding and/or changing carrier codes), nonrecurring charges for service rearrangements will apply. A common charge is assessed for all changes submitted on the same ASR. Services requested on multiple ASRs will be treated as one request when requirements, as specified in 6.1.7, are met. The nonrecurring charges for service rearrangements are as specified in 0 following.

If the change involves rearrangement of an IC's existing FGD Access Service from direct routed to tandem routed trunks, no charge shall apply for the IC requested rearrangement as long as the following conditions are met:

Tandem routed access was not available to the end office at the time the end office was converted to an equal access office, the IC was providing service in the tandem serving area prior to the availability of tandem routed access, and

the IC requests the rearrangement of its trunks from direct routed access to tandem routed access within six months of the first availability of tandem routed access in that area.

(5) When an optional feature is not required on each transmission path, but rather for an entire transmission path group, an end office or an access tandem switch, only one such charge will apply (i.e., it will not apply per transmission path). For example, if the requested option or change is common to more than one trunk, and the work required will be performed in the common block of the switch, the charge specified in 22. following will be multiplied by the total number of Company central offices (access tandem and end offices) involved.

If an order was placed by the IC to combine *500 Access Service or* 800 Access Ten Digit Screening Service traffic with FGD Access Service traffic and due to technical limitations of the Company the traffic could not be combined, no charge shall apply to combine these trunk groups when it becomes technically possible.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.7 Rate Regulations (Cont'd)

6.7.1 Types of Rates and Charges (Cont'd)

A. (Cont'd)

3. Nonrecurring Charges (Cont'd)

c. Transfer of Service

When a change in billing data (e.g., name, address, contact name, or telephone number) is requested in association with a change in the IC of record, transfer of service charges, as set forth in 22.3.7 following will apply. Charges are applied on a Billing Account Number (BAN) basis. In addition, there are separate charges for transfer of service work associated with switched access lines or trunks. These charges will be assessed on a per line basis for line side connections and/or on a per trunk basis for trunk side connections.

Transaction involving only subscription changes to the IC's end users' lines are not considered a transfer of service nor a service rearrangement. Subscription change charges are found in Section 13. following.

4. 500 Access Service

A nonrecurring charge, as specified in 22.3.8 following, apply to 500 Access Service. A nonrecurring charge applies for the first 500 NXX code submitted on an Access Service Request (ASR) and is assessed per each Company End Office and Access Tandem in which translations are required to route 500 Access Service calls to the IC. The additional charge applies for each additional 500 NXX code submitted on the same ASR and is assessed per each Company End Office and Access Tandem in which translations are required to route 500 Access Service calls to the IC. In addition, rearrangement charges, as specified in 0 following, are applicable for rearrangements of the IC's existing trunk groups when the IC selects 0+ only or 1+ only 500 dialing capability over existing trunks and for changes in the dialing capability associated with 500 Access Service.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.7 Rate Regulations (Cont'd)

6.7.2 Minimum Periods

Switched Access Service is provided for a specific minimum period. The minimum period and the applicable charges for that period are dependent on the interval (i.e., standard, negotiated or short notice) under which service is provided. Minimum periods and minimum period charges are described in detail in 5. preceding.

6.7.3 Minimum Monthly Charge

A. Switched Access Service is subject to a minimum monthly charge. The minimum charge applies for the total number of Feature Groups (by type of Feature Group by type of BHMC) provided to each end office. The minimum monthly charge consists of the following elements:

B. For those rate elements that are billed a flat monthly rate, i.e., Local Transport Optional Features the minimum monthly charge is the monthly rate as set forth in 22.3.2C(a).B. following.

C. The minimum monthly charge for the Local Switching, Line Termination, Intercept and 800 Access Service IC Identification Charge rate elements is the sum of the charges as set forth in 22.2.1.A., B., C. and D. following for the actual usage for the month.

D. For the Local Transport rate element, the minimum monthly charge is assessed in terms of a Minimum Monthly Usage Charge (MMUC). If the actual Local Transport usage charge for the month is higher than the MMUC, the IC pays the actual usage charge. If the Local Transport usage charge is lower than the MMUC, the IC pays the MMUC. The MMUC is determined as set forth in 6.7.4. following. Rates for actual usage are set forth in 22.3.2C(a).A. following.

6.7.4 Minimum Monthly Usage Charge (MMUC)

A. The MMUC billed to the IC for Feature Groups B, C and D will be based on the total number of BHMCs (by type of BHMC) provided in and out of the end office (by Feature Group). For Feature Group A, the MMUC will be billed to the IC on the line or hunt group level or other level of account.

B. The Minimum Monthly Usage Charge is not applied to Company assumed average minutes of use for those Feature Groups A and B for which terminating measurement capabilities do not exist. In these cases, the IC will always be billed for the assumed average minutes of use.

C. For FGA service, the MMUC will be computed using the mileage band in which the airline distance between the first point of switching and the IC's serving wire center falls.

6.7.5 Change of Feature Group Type

Changes from one type of Feature Group to another will be treated as a discontinuance of one type of service and a start of another. Nonrecurring charges will apply, with one exception. When an IC upgrades a Feature Group A, B or C service to a Feature Group D service of the same capacity in the same end office, the nonrecurring charges will not apply. If, however, additional Local Transport optional features are added to the service at the time the conversion takes place, the nonrecurring charges for the added features will apply.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.7 Rate Regulations (Cont'd)

6.7.6 Moves

A. A move involves a change in the physical location of one of the following:

1. The point of interface at the IC terminal location
2. The IC terminal location

B. The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

1. Moves Within the Same Building ***(Inside Moves)***

   When the move is to a new location within the same building, service rearrangement charges as set forth in 6.7.1 will apply. There will be no change in the minimum period requirements.

2. Moves to a Different Building

   Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new service. The IC will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

6.7.7 Measuring Access Minutes

IC traffic to end office switches will be measured (i.e., recorded or assumed) by the Company at end office switches or access tandem switches. Originating and terminating calls will be measured (i.e., recorded or assumed) by the Company to determine the access minutes. Access minutes on a terminating call start when the called telephone exchange service location answers and end when the access tandem switch or end office switch receives a disconnect signal. Access minutes on an originating call start when the IC terminal location acknowledges the call and end when the access tandem switch or end office switch receives a disconnect signal.

The assumed average access minutes are as set forth in 3.7.C.

6.7.8 Network Blocking Charge for Feature Group D

The IC will be notified by the Company to increase its Access Connection busy hour minutes of capacity when excessive trunk group blocking occurs on groups carrying Feature Group D traffic and the measured minutes of use for that hour exceeds that purchased. Excessive trunk group blocking occurs when the blocking thresholds stated below are exceeded. They are predicated on time consistent, hourly measurements over a 30 day period excluding Saturdays, Sundays and National Holidays. If the order for additional capacity has not been received by the Company within 15 days of the notification, the Company will bill the IC, at the rate set forth in 0.C. following, for each overflow in excess of the blocking threshold when (1) the average "30 day period" overflow exceeds the threshold level for any particular hour and (2) the "30 day period" measured average originating or two-way usage for the same clock hour exceeds the Access Connection capacity purchased.

Trunks in Service	Blocking Thresholds	
	1%	1/2%
1-2	.070	.045
3-4	.050	.035
5-6	.040	.025
7 or greater	.030	.020

The 1% blocking threshold is for transmission paths carrying traffic direct (without an alternate route) between an end office and an IC terminal location. The 1/2% blocking threshold is for transmission paths carrying first routed traffic between an end office and an IC terminal location via an access tandem.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.7 Rate Regulations (Cont'd)

6.7.9 Application of Rates for Feature Group A Extension Service

Feature Group A Switched Access Service is available with extensions, i.e., additional terminations of the service at different building(s) in the same or a different LATA. Feature Group A extensions within the LATA are provided and charged for under the Company's local and/or general exchange service tariffs. Extensions in different LATAs are provided and charged for as Special Access Service. The rate elements which apply are: Special Transport (from the extension bridging point to the IC serving wire center), Access Connections and one half of the appropriate facility interface combination. All appropriate monthly rates and nonrecurring charges as set forth in 7 following will apply.

6.7.10 Message Unit Credit

Calls from end users to the seven digit local telephone numbers associated with Feature Group A Switched Access Service are subject to Company local and/or general exchange service tariff charges, as well as any other applicable charges for IC services. The monthly bills rendered to ICs for their Feature Group A Switched Access Service will include a credit to reflect any message unit charges collected from their customers under the Company's local and/or general exchange service tariffs.

6.7.11 Local Information Delivery Services

Calls over Switched Access in the terminating direction to certain community information services will be rated under the applicable rates for Switched Access Service as set forth in 22 following. In addition, the charges per call as specified under the Company's local exchange tariffs, e.g., DIAL-IT Network Services, will also apply.

6.7.12 Mileage Measurement

A. The mileage to be used to determine the monthly rate for the Local Transport is calculated on the airline distance between the end office switch where the call carried by Local Transport originates or terminates and the IC serving wire center except as set forth in C.1 through C.6 following. The V&H coordinates method is used to determine mileage. This method is set forth in 10 following. The serving wire center V&H coordinates are also contained in that section.

B. Mileage is shown in 22.2.3. following in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method, then find the band into which the computed mileage falls and apply the rate shown for that band.

C. Exceptions to the mileage measurement rules are as follows:

1. Mileage for access minutes in the originating direction over Feature Group A Switched Access Service will be calculated on an airline basis, using the V and H coordinates method, between the end office switch where the Feature Group A End Office Switching dial tone is provided and the IC serving wire center for the Switched Access Service provided.
2. When an IC terminal location is within five miles of a Company Class 4 office, the Local Transport mileage for a call, which is carried over a Switched Access Service, originating or terminating through an end office switch shall be the distance as would be determined from that end office switch to the serving wire center for that Company Class 4 office unless the IC specifies that for an entire LATA, it wants all measurement determined from its serving wire center. This designation (i.e., which serving wire center to use in calculating mileage) may be changed only once in any 12 month period and when it is changed, the IC will be billed for the change as set forth in 5.6 preceding.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.7 Rate Regulations (Cont'd)

6.7.12 Mileage Measurement (Cont'd)

C. (Cont'd)

3. When the Alternate Traffic Routing optional feature is provided with Feature Groups B, C, and D, the Local Transport access minutes mileage for all calls shall be the mileage to the most distant IC terminal location from the end office switch where the arrangement is provided. If Feature Group B alternate routed traffic has the shortest of the two routes within five miles of a Company Class 4 office, then the shortest route will apply for measuring mileage if the IC has opted for the five mile rule in 2 preceding.
4. When Feature Groups A or B Switched Access Service terminates in end offices not equipped with measurement capabilities, mileage will be calculated from the IC serving wire center to the entry switch.
5. When terminating Feature Group C Switched Access Service is provided from multiple IC terminal locations to an end office not equipped with measurement capabilities, all mileage will be measured from the most distant IC terminal location.
6. The Local Transport mileage for Feature Groups B and D Switched Access Service provided to Mobile Telephone Serving Offices (MTSOs) interconnected to a Company access tandem office will be determined on airline basis, using the V&H coordinate method. The mileage measured will be that between the Company access tandem office serving the Mobile Telephone Service Office (MTSO) and the IC's serving wire center.

6.7.13 Application of Rates

A. Rates are applied as premium, rates. The non-premium rates are determined by discounting the premium rates by twenty five percent. The transitional rates are determined by developing a weighted composite of the premium and non-premium rates based on the level of equal access deployment in the local calling area.

B. The specific application of these rates for a specific IC is dependent upon the Feature Group and the availability of equal access capabilities.

C. Premium rates apply to all FGC access minutes. Premium rates apply to FGD, *500 Access Service,* and 800 Access Ten Digit Screening Service access minutes except as set forth in D. following.

D. When FGA, FGA/FX ONAL, FGB, FGD, *500 Access Service,* or 800 Access Ten Digit Screening Service Switched Access Service is provided to an entry switch (i.e., the dial tone office for FGA and the access tandem for FGB), the premium, non-premium and transitional rates will be determined and applied separately for each, except for MTS/WATS service.

1. All access minutes for a Facility Based Interexchange Carrier and a Non Facility Based Interexchange Carrier that originate or terminate in a local calling area where all end offices are equipped for equal access will be billed at premium rates. (Access Minutes X Premium Rate)
2. Access minutes for a Facility Based Interexchange Carrier and a Non Facility Based Interexchange Carrier that originate in a local calling area where no end offices are equipped for equal access will be billed at non-premium rates. (Originating Access Minutes X (Premium Rate X Discount Percentage))

6. SWITCHED ACCESS SERVICE (CONT'D)

6.7 Rate Regulations (Cont'd)

6.7.13 Application of Rates (Cont'd)

D. (Cont'd)

3. Access minutes that originate in a local calling area where a portion of the end offices have been equipped for equal access will be billed at transitional rates as set forth following.

   a. The number of subscriber lines (i.e., exchange service lines, Centrex lines and Centrex-type lines) served by end offices equipped for equal access within a local calling area expressed as a percent of the total subscriber lines in a local calling area will be determined each month. This percentage (Factor 1) represents the percent of subscriber lines served by end offices equipped with equal access. The complement of this percentage (Factor 2) represents the percent of subscriber lines served from end offices not equipped for equal access.

   b. Factor 1 is multiplied by 100% to calculate the weighted premium rate percentage.

   c. Factor 2 is multiplied by 75% (100%-25%) to calculate the weighted transitional rate percentage.

   d. The two resulting weighted percentages are then added together and multiplied by the premium rate to determine the effective rate level to be applied to all access minutes that originate in a local calling area for Facility Based Interexchange Carriers and for Non Facility Based Interexchange Carriers.

6.8 Rate Categories

6.8.1 Local Transport

A. The Local Transport rate category provides the transmission facilities between the IC terminal location and the end office switch(es) where the IC's traffic is switched to originate or terminate its communications. For purposes of determining Local Transport Facility measurement, distance will be measured from the wire center that normally serves the IC to the end office switch(es). Exceptions to the Local Transport Facility measurement rules are set forth in 6.7.12. preceding.

B. Local Transport is a two-way voice frequency transmission path composed of facilities determined by the Company. The two-way voice frequency transmission path permits the transport of calls in the originating direction (from the end user end office switch to the IC terminal location) and in the terminating direction (from the IC terminal location to the end office switch), but not simultaneously. The voice frequency transmission path may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals with the frequency bandwidth of approximately 300 to 3000 Hz.

C. The Company will work cooperatively with the IC in determining (1) whether the service is to be directly routed to an end office switch or through an access tandem switch, and (2) the directionality of the service.

D. Local Transport rates are made-up of a Local Transport Termination rate which is assessed on a per transmission path per access minute basis, and a Local Transport Facility rate assessed on a per mile per access minute basis. The Local Transport Termination rate provides for the communications frequency transmission path at the Company switching office and includes the Local Transport portion of Central Office Switching and Central Office Circuit equipment (e.g., signaling, transmission devices, padding, carrier channels, etc.)

6. SWITCHED ACCESS SERVICE (CONT'D)

6.8 Rate Categories (Cont'd)

6.8.1 Local Transport (Cont'd)

E. The Local Transport Termination rate is applied as follows:

-for FGA when the Local Transport Facility is measured between the end office and the first point of switching (i.e., dial tone office) as set forth in 6.7.12. preceding, or between the end office and the IC serving wire center, the Local Transport Termination rate is applied at the end office.

-for FGA when the Local Transport Facility is measured between the first point of switching (i.e., dial tone office) and the IC serving wire center as set forth in 6.7.12. preceding, the Local Transport Termination Rate is applied at the first point of switching (i.e., dial tone office).

-for FGB when the Local Transport Facility is measured between the end office and the IC serving wire center, the Local Transport Termination Rate is applied at the end office.

-for FGB when the Local Transport Facility is measured between the access tandem and the IC serving wire center, the Local Transport Termination Rate is applied at the access tandem.

-for FGC and FGD the Local Transport Termination Rate is applied at the end office.

F. The Local Transport Termination rate will also apply if the IC serving wire center and the end user serving wire center are collocated (where V/H-V/H=0). The Local Transport Termination rate will apply once to each Switched Access Service. The Local Transport Facility rate provides for the frequency transmission path and for that portion of Local Transport which extends beyond the Company end office and includes both the physical (or derived) outside plant facilities and necessary transmission equipment (repeaters, etc.) including that which may be found at intermediate offices. The Local Transport Facility rate will not apply if the IC serving wire center and the end user serving wire center are collocated.

G. Notwithstanding the preceding paragraph, when more than one Company is involved in providing the Switched Access Service, the Local Transport rates are applied as set forth in 22.2.3. following.

H. Local Transport is provided at the rates and charges set forth in 22.2.4. following. The application of these rates with respect to individual Feature Groups is as set forth in 6.7.13 preceding.

I. The Local Transport for Feature Groups A, B, C and D Switched Access Services connected with Special Access Service at a WATS Serving Office will be measured between the WATS Serving Office (when measured access minutes of use are used) or between the Feature Group A or Feature Group B entry switch (when assumed minutes of use are used) and the serving wire center for the customer designated premises. Local Transport Termination and Facility rates will apply to this Local Transport measurement as set forth in 22.2.4. following.

1. Interface Groups

Ten Interface Groups are provided for terminating the Local Transport at the IC's terminal location. Each Interface Group provides a specified premises interface (e.g., two-wire, four-wire, DS1, etc.).

As a result of the IC's access order and the type of Company transport facilities serving the IC's terminal location, the need for signaling conversions or two-wire to four-wire conversions, or the need to terminate digital or high frequency facilities in channel bank equipment may require that Company equipment be placed at the IC's designated premises. For example, if a voice frequency interface is ordered by the IC and the Company facilities serving the IC's terminal location are digital, then Company channel bank equipment must be placed at the IC's terminal location in order to provide the voice frequency interface ordered by the IC.

Technical specifications concerning the available interface groups are set forth in 6.1.3.A. preceding.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.8 Rate Categories (Cont'd)

6.8.2 End Office

A. Local Switching

The Local Switching rate element provides for the use of end office switching equipment, the terminations in the end office of end user lines, and the terminations of calls at Company Intercept Operators or recordings. The premium charge is divided into two distinct categories, i.e., Local Switching 1, and Local Switching 2. The first category, Local Switching 1, is applicable to Feature Groups A and B except for: (1) Feature Group B when utilized to provide MTS/WATS service, (2) Feature Groups A and B used for terminating inward WATS and WATS-type service at an equal access WATS Serving Office. The second category, Local Switching 2, is applicable to: (1) Feature Groups C and D, (2) FGB when utilized to provide MTS/WATS service, (3) Feature Groups A and B used for terminating inward WATS and WATS-type service at an equal access WATS Serving Office.

Rates for Local Switching 1 and Local Switching 2 are set forth in 22.2.4. following. The application of these rates with respect to individual Feature Groups is as set forth in 6.7.13. preceding.

There are four types of functions included in the Local Switching rate element: Common Switching, Transport Termination, Line Termination and Intercept. These are described in 1. through 4. following.

1. Common Switching

Common Switching provides the local end office switching functions associated with the various access (i.e., Feature Group) switching arrangements. The Common Switching arrangements provided for the various Feature Group arrangements are described in 6.2 preceding.

Included as part of Common Switching are various non-chargeable optional features which the IC can order to meet the IC's specific communications requirements. These optional features are described in 6.3 preceding.

2. Transport Termination

Transport Termination provides for the line or trunk side arrangements which terminate the Local Transport facilities. Included as part of Transport Termination are various non-chargeable optional termination arrangements. These optional terminating arrangements are described in 6.3.2. preceding.

The number of Transport Terminations provided will be determined by the Company as set forth in 6.5.6. preceding.

6. SWITCHED ACCESS SERVICE (CONT'D)

6.8 Rate Categories (Cont'd)

6.8.2 End Office (Cont'd)

A. Local Switching (Cont'd)

3. Line Termination

Line Termination provides for the terminations of end user lines in the local end office. There are two types of Line Terminations, i.e., Common Line Terminations and Special Access Service Terminations utilized in the provision of WATS or WATS-type services at Company designated WATS Serving Offices.

The above Special Access Service Terminations are differentiated by line side vs. trunk side terminations. In addition, there are various types of originating and terminating line side terminations depending on the type of signaling associated with the Special Access Service. Line side terminations are available with either dial pulse or dual tone multifrequency address signaling.

4. Intercept

Intercept provides for the termination of a call at a Company Intercept operator or recording. The operator or recording tells a caller why a call, as dialed, could not be completed, and if possible, provides the correct number.

5. Directory Assistance Information Surcharge

Directory Assistance Information Surcharge rates are assessed to an IC based on the total number of access minutes. Directory Assistance Information Surcharge rates are as set forth in 22.2.4. following. The application of these rates with respect to individual Feature Groups is as set forth in 6.7.13. preceding.

The number of end office switching transmission paths will be determined as set forth in 6.5.5 preceding.

7. SPECIAL ACCESS SERVICE

7.1 General

Special Access Service provides a transmission path to directly connect an IC terminal location in a LATA to the end user's premises,[1] two IC terminal locations, an IC terminal location and a HUB, or an end user premises and a WATS or WATS like serving office.[2] Special Access Service includes all exchange access not utilizing Company end office switches. This type of Access Service is used, for example, by IC's for the provision of private line service.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate. The specific types of services (e.g., Narrowband, Voice Grade, Wideband Digital) provided under Special Access Service are described in 7.2 following.

7.1.1 Rate Categories

A. There are four rate categories which apply to Special Access Service:

Access Connections

Special Transport

Features and Functions

Special Access Line

B. Unless specifically stated otherwise, each of the rate categories will apply for each Special Access Service provided to an IC.

C. The following diagram depicts a generic view of the components of Special Access Service and the manner in which the components are combined to provide a complete Access Service.

1. Access Connection

   This rate category provides a channel between the IC terminal location and the wire center serving the IC terminal location. This rate category varies by type of facility.

2. Special Transport

   This rate category provides the actual physical transmission facilities between (1) an IC terminal location serving wire center and the end user's serving wire center, (2) an IC terminal location serving wire center and a Hub, (3) a Hub and the end user's serving wire center, or (4) an end user serving wire center and a WATS or WATS like serving office (for interLATA only Dedicated Access Line Service). The facilities may be either analog or digital. This rate category is distance sensitive and varies by type of facility.

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[1] Company Centrex Type Services switches and other Company CO derived services are considered to be end user's premises for purposes of this Tariff.

[2] The Special Access Service used to provide the connection between an end user premises and a WATS serving office is only for use with Feature Group C or D Switched Access Service.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.1 General (Cont'd)

7.1.1 Rate Categories (Cont'd)

C. (Cont'd)

3. Features and Functions

This rate category provides available facility interface combinations (including signaling), Hub functions (i.e., bridging and multiplexing) and optional features or functions that improve the quality or utility of a service to meet specific communications requirements. In addition, there is a separate charge for Voice Grade Performance which is also included in this rate category. The Voice Grade performance charge applies for all Voice Grade Services (i.e., VG1-12) ordered by the IC.

4. Special Access Line

This rate category provides a channel between the wire center serving the end user premises and the end user premises. This rate category varies by type of facility.

7.1.2 Facility Interface (FI) Combinations

A. When ordering Special Access Service, the IC must specify the facility interface that is desired for the service ordered. The facility interface defines the technical characteristics associated with the type of signaling and type of facilities presented for connection to the Access Service at both the IC terminal location and the end user premises.

B. The facility interfaces specified for the IC terminal location and the end user premises may be asymmetrical or symmetrical. However, only certain combinations are technically possible. Therefore, for purposes of this Tariff, facility interfaces are being described in terms of acceptable combinations for all services except Dedicated Access Line Service which is only provided between an end user premises and a WATS serving office. These combinations are set forth in 7.2 following.

7.1.3 Optional Features and Functions

A. Optional features and functions may be added to a service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific facilities, but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of facilities. Although the facilities necessary to perform a specified function may be installed at various locations along the path of the service, including the premises of the end user, it will be charged for as a single rate element.

B. Examples of features or functions that are available include, but are not limited to, the following:

(1) Conditioning

(2) Transfer Arrangement

(3) Automatic Protection Switching

C. Descriptions and rates for each of the available features and functions are set forth in 22.3.3. following.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.1 General (Cont'd)

7.1.4 Service Configurations

There are two types of service configurations over which Special Access Services are provided, two-point service and multipoint service.

A. Two-Point Service

1. A two-point service is a channel which is provided to connect two locations. The locations connected may be:

   a. An IC terminal location and an end user's premises whether, provided directly or through a Company designated facility hub,

   b. An IC terminal location and a Company Central Office in which a Centrex Type Services or other Central Office derived service is located, or

   c. An IC terminal location and a Hub, or

   d. Two IC terminal locations.

2. All Special Access Services may be provided as two-point service.

B. Multipoint Service

1. A multipoint service is a channel that is provided to connect three or more locations. The locations connected may be:

   a. An IC terminal location and two or more end users' premises,

   b. All IC terminal locations

   c. Multiple IC terminal locations and multiple end user's premises.

2. Only certain types of Special Access Service are provided as multipoint services. These are so designated in the Technical Service Descriptions set forth in 7.2.1 and 7.2.2 following. Multipoint Service is available with a maximum of three mid-links in tandem; however, the specific number of bridges on a given service will be determined by the Company.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.1 General (Cont'd)

7.1.4 Service Configurations (Cont'd)

B. Multipoint Service (Cont'd)

3. Multipoint service is provided in the following manner:

   a. The Company will designate serving wire centers where bridging (by service type) is available. These serving wire centers are referred to as Hubs.

   b. The IC will specify the bridging serving wire center (i.e., Hub), selected from the Company list of available locations.

   c. Service will be priced as provided.

      Access Connection from IC terminal location to IC serving wire center. (Additional IC terminal locations will be treated as end user premises.)

      Special Transport from the IC serving wire center to the bridging serving wire center (may also be end user serving wire center).

      Appropriate facility interface combination (per end user premises bridged) and bridging equipment charge. The facility interfaces at the end user premises do not have to be the same at each end user's premises on a multipoint service, but all must work in combination with a common IC terminal location facility interface. The rates to be applied at the IC terminal location are those for the facility interface combination with the highest rates at the initial installation of service.

      Special Transport from the bridging serving wire center to the end user serving wire center, if required.

      Special Access Lines from the end user wire center to end user premises (per end user location).

      Special Access Service Surcharge (per end user premises).

4. As each additional leg is added to an existing multipoint service, additional Special Transport, an end user facility interface, a Special Access Line and a Special Access Service Surcharge will be charged to the IC as required. If another bridge is connected, additional Special Transport, end user facility interface Special Access Line(s) and Special Access Service Surcharge will be charged to the IC as required.

7.1.5 Alternate Use

Alternate Use occurs when an IC uses a service for different types of transmission at different times. The IC may transfer from one type of operation to another at will, but only one type of transmission can be used at a time.

The Company will review each request for alternate use on an individual case basis. If it agrees to allow the alternate use, the arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis and filed in 12., Specialized Service or Arrangements. The IC will pay the stated tariff rates for the Access Service rate elements ordered (i.e., Access Connection, Special Transport, facility interface combination and Special Access Line).

7. SPECIAL ACCESS SERVICE (CONT'D)

7.1 General (Cont'd)

7.1.6 Special Facilities Routing

An IC may request that the facilities used to provide Special Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable Only) are as set forth in 11. following.

7.1.7 Design Layout Report

A. Where the Company normally designs facilities and services, the Company will provide to the IC the make-up of such facilities and services provided under this Tariff as Special Access to aid the IC in designing its overall service. This information will be provided in the form of a Design Layout Report.

B. The Design Layout Report will be provided to the IC at no charge.

7.1.8 Acceptance Testing

A. At no additional charge, the Company will, at the IC's request, cooperatively test, at the time of installation, the following parameters:

1. For Voice Grade (VG) Services 1, 2, 3, 6, 7, 8, 9, 10, 11 and 12
   a. Loss
   b. Three-tone slope
   c. D.C. continuity
   d. Operational Signaling
   e. Balance (equal level echo path loss) when the Access Connection provides a four-wire voice transmission interface and the network interface provides two-wire voice transmission (i.e., there is a four-wire to two-wire conversion in Special Transport).
2. Additionally, for Voice Grade (VG) Services 6, 7, 8, 9, 10, 11 and 12
   a. C-notched noise tests.
3. All other services will be tested to the performance parameters specified for the individual services.

B. If acceptance tests are not started within 30 minutes after the scheduled appointment time for such tests, as negotiated between the Company and the IC, additional charges may apply, as set forth in 13. following.

7.1.9 Ordering Options and Conditions

A. There are two ordering options available to an IC in the provision of Special Access Service. These are:

1. Access Order
2. Planned Facility Order

B. These options are set forth in detail in 5. preceding, as are the conditions under which the options may be elected. Cancellation charges associated with these options are also included in 5. preceding.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service

Special Access Service may be either analog or digital. Analog services are differentiated by spectrum and bandwidth. Digital services are differentiated by bit rate.

There are four major categories of analog service and three digital services. These are:

Analog: Narrowband
Voice Grade

Wideband
Dedicated Access Line Service

Digital: Wideband
Digital Data

High Capacity

Each of these, except Dedicated Access Line Service, are further broken down into a number of subcategories.

This section includes the technical service descriptions for each type of analog and digital service provided, typical applications for which each type of service can be used, the optional features or functions available with specific services, transmission performances and the acceptable facility interface (FI) combinations with which service can be provided. The facility interface codes are described in 7.3 following.

The Company will maintain existing transmission performance on services installed prior to January 1, 1984. All services installed after January 1, 1984, will conform to the transmission performance standards contained in this Tariff, except as follows. Where local facility conditions cannot support the transmission performance standards contained in this Tariff, transmission standards that can be supported will be uniformly applied to all IC's.

7.2.1 Analog Services

A. Narrowband Services

1. Narrowband 1 (NB1) Special Access Service

a. Description

Special Access Service NB1 provides a channel for a balanced metallic pair between an IC terminal location and an end user's premises. Service will be provided only where appropriate metallic facilities are available. Signal transfer rates up to 30 baud will be accommodated.

b. Illustrative Application

Special Access Service NB1 is suitable for use as part of the facilities required to provide such services as:

-Protective Alarm (Direct Wire)

-Wire Pair Facility

c. Optional Features

-Bridging - provision of tip-to-tip and ring-to-ring connection in a central office of a metallic pair to a second end user's location.

d. Transmission Performance

Leakage

Remedial action will be initiated when the dc resistance between the conductors in each serving pair or the resistance between individual serving pair conductors and ground is observed to be less than 30,000 ohms.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

A. Narrowband Services (Cont'd)

1. Narrowband 1 (NB1) Special Access Service (Cont'd)

e. Available Facility Interface Combinations

IC	**End User**
2DC8 3	2DC8 3

2. Narrowband 2 (NB2) Special Access Service

a. Description

Special Access Service NB2 provides a channel for simplex low-frequency, narrowband electrical transmission which may be provided to a number of end user premises (up to a maximum of 25) to form a series of electrical paths from the IC terminal location to each end user's premises.

Service will be provided only where appropriate metallic or other facilities are available.

b. Optional Feature

-Bridging - up to 25 end user's premises.

c. Transmission Performance

Leakage

Remedial action will be initiated when the dc resistance between the conductors in each serving pair or the resistance between individual serving pair conductors and ground is observed to be less than 30,000 ohms.

d. Available Facility Interface Combinations

IC	End User	IC	End User
2DC8 2	**2DC8 1**	**4AH5 B[1]**	**2DC8 1**
2DC8 1	**2DC8 2**	**4AH5 B[1]**	**2DC8 2**
4DS9[2]	**2DC8 1**	**4AH6 C[1]**	**2DC8 2**
4DS9[2]	**2DC8 2**	**4AH6 D[1]**	**2DC8 1**
4AH6 D1	**2DC8 2**	**4AH6 C[1]**	**2DC8 1**

[1] Available only to ICs selecting the multiplexed four wire High Capacity analog facility interface option at the IC terminal location and providing subsequent system and channel assignment data.
[2] See 7.3.3 following for explanation.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

A. Narrowband Services (Cont'd)

3. Narrowband 3 (NB3) Special Access Service

a. Description

Special Access Service NB3 provides a channel for the transmission of direct current and/or low frequency control signals between an IC terminal location and an end user's premises. Central office bridging for connection to a third point is available.

This service provides dc continuity which may be continuously monitored. Service is available only where appropriate metallic facilities exist.

b. Illustrative Applications

Special Access Service NB3 is suitable for use as part of the facilities required to provide such services as:

-Protective Relaying Telegraph Grade

-Protective Relaying Signal Grade

c. Optional Features

-Bridging - provision of tip-to-tip and ring-to-ring connection in a central office of a metallic pair to a second end user location.

d. Transmission Performance

Loop Resistance

For protective relaying services, the end-to-end dc loop resistance will not exceed 2,000 ohms for two-point channels. For three-point channels, the maximum dc resistance per leg is 500 ohms.

Shunt Capacitance

For protective relaying services, the end-to-end shunt capacitance between the two conductors will not exceed 1.5 microfarads for a two-point channel. For three-point channels, the maximum total shunt capacitance is 1.8 microfarads. Inability to meet these requirements constitutes a condition under which Access Service is not available.

Inability to meet the resistance and capacitance requirements constitutes a condition under which Special Access Service is not available.

e. Available Facility Interface Combinations

IC	End User
2DC8-3	2DC8-3

4. Narrowband 4 (NB4) Special Access Service

a. Description

Special Access Service NB4 provides a channel for transmission of asynchronous transitions between two current levels at rates up to 75 baud between an IC terminal location and an end user's premises. This service is furnished for half-duplex or duplex operation on a two point or multipoint configuration. Neither direct current continuity of this service nor the capability to transport continuously varying alternating current is assured.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

A. Narrowband Services (Cont'd)

4. Narrowband 4 (NB4) Special Access Service (Cont'd)

b. Illustrative Applications

Special Access Service NB4 is suitable for use as part of the facilities required to provide such services as:

-Telegraph Grade Facilities

-Entrance Facility - Telegraph Grade

-Control/Remote Metering - Telegraph Grade

-Extension Service - Telegraph Grade

-Teletypewriter Service

-Alarm Circuits

c. Optional Features

Central Office bridging capability

d. Transmission Performance

Telegraph Distortion

Remedial action will be initiated whenever the telegraph distortion is observed to exceed 9 percent.

e. Available Facility Interface Combinations

IC	End User	IC	End User
2TT2-2	2TT2-2	4DS9-[1]	2TT2-6
2TT2-3	2TT2-2	4DS9-[1]	4TT2-6
2DB2-10	2TT2-2	4AH5-B[2]	2TT2-2
4DB2-10	2TT2-2	4AH5-B[2]	4TT2-2
2TT2-3	2TT2-2	4AH5-B[2]	2TT2-6
2DB2-10	4TT2-2	4AH5-B[2]	4TT2-6
4TT2-2	4TT2-2	4AH6-C[2]	2TT2-2
4DB2-10	4TT2-2	4AH6-C[2]	4TT2-2
2TT2 6	4TT2-2	4AH6-C[2]	2TT2-6
2DB2-10	4TT2-2	4AH6-C[2]	4TT2-6
4TT2-6	2TT2-6	4AH6-D[2]	2TT2-2
4DS9-C[1]	2TT2-2	4AH6-D[2]	4TT2-2
4DS9 C[1]	4TT2 2	4AH6-D[2]	2TT2-6
		4AH6-D[2]	4TT2-6

[1] See 7.3.3 following for explanation.aa
[2] Available only to ICs selecting the multiplexed four-wire High Capacity analog facility interface option of the IC terminal location and providing subsequent system and channel assignment data.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

A. Narrowband Services (Cont'd)

5. Narrowband 5 (NB5) Special Access Service

a. Description

Special Access Service NB5 provides a channel for transmission of asynchronous transitions between two current levels at rates up to 150 baud between an IC terminal location and an end user's premises. This service is furnished for half-duplex or duplex operation on a two point or multipoint configuration. Neither direct current continuity of this service nor the capability to transport continuously varying alternating currents is assured.

b. Illustrative Applications

Special Access Service NB5 is suitable for use as part of the facilities required to provide such services as:

-Extension Service - Telegraph Grade

-Teletypewriter Service

-Alarm Circuits

-Type II Telegraph

-Control/Remote Metering - Telegraph Grade

c. Optional Features

Central Office bridging capability

d. Transmission Performance

Telegraph Distortion

Remedial action will be initiated whenever the telegraph distortion is observed to exceed 12%.

e. Available Facility Interface Combinations

IC	End User	IC	End User
2DB2-10	10IA2	4AH5 B[1]	10IA2
4DB2-10	10IA2	4AH6 C[1]	10IA2
4DS9-[2]	10IA2	4AH6 D[1]	10IA2

[1] Available only to ICs selecting four-wire multiplexed High Capacity analog facility interface option at the IC terminal location and providing subsequent system and channel assignment data.

[2] See 7.3.3 following for explanation.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services

There are 12 types of Voice Grade Service, each having a different transmission performance. The transmission performances determine the applications for which the various types of Voice Grade Service can be used. VG1 through VG3 services are intended for voice applications only. VG5 through VG10 are suitable for voiceband data or voice/data applications. VG11 is suitable for telephone service and VG12 is suitable for protective relaying service. (VG4 is for interstate FAA use only.)

1. Voice Grade 1 (VG1) Special Access Service

a. Description

Special Access Service VG1 provides a channel for voice frequency transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an end user's premises. The transmission interface can be either two-wire or four-wire at both the IC terminal location and the end user's premises. Various interface options are available. This service will support effective two-wire or effective four-wire transmission.

b. Illustrative Applications

Special Access Service VG1 is suitable for use as part of the facilities used to provide such services as:

-Voice Grade Facility

-Access Facility

-Alarm Circuits

-Back-up Facility

c. Optional Features

-Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel.

d. Transmission Performance

C-Message Noise

The C-Message Noise shall be less than:

	Limit (dBrnC0)	
Channel Mileage (mi)	**Type V1**	**Type V2**
0-50	32	38
51-100	33	39
101-200	35	41
201-400	37	43

Where facility network conditions will support the parameters, Type V1 will be provided. Where the Type V1 parameters cannot be supported, Type V2 will be provided.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

1. Voice Grade 1 (VG1) Special Access Service (Cont'd)

d. Transmission Performance (Cont'd)

Echo Control

Echo Control, identified as Equal Level Echo Path Loss at four-wire interfaces or Return Loss at two-wire interfaces, and expressed as Equal Return Loss and Singing Return Loss, at either the end user premises or IC terminal location shall be not less than the following limits:

Effective Two-Wire Transmission

Interface	Echo Return Loss	Singing Return Loss
Standard Two Wire Interface (Return Loss)	5 dB	2.5 dB
Four Wire Interface (Equal Level Echo Path Loss)	16 dB	11 dB

Effective Four-Wire Transmission

(Two-Wire interface at the end user's premises)

Interface	Echo Return Loss	Singing Return Loss
Two Wire Interface (Return Loss)	24 dB	18 dB
Four Wire Interface (Equal Level Echo Path Loss)	20 dB	14 dB

(For Centrex *Type Services* application, 2 dB pad is "in")

Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

Standard RL	Improved RL
ERL 5dB	ERL 20dB
SRL 2.5dB	SRL 13.5dB

Loss Variation

The long term loss variation from the nominal 1004 Hz Expected Measured Loss (EML) shall not exceed +/-4.0 dB.

Attenuation Distortion

The attenuation distortion between 404 Hz and 2804 Hz shall be within -2.0 dB and +10.0 dB with reference to the loss at 1004 Hz (minus equals less loss, plus equals more loss). The attenuation distortion between 504 Hz and 2504 Hz shall be within -2.0 dB and +8.0 dB and between 304 Hz and 3004 Hz shall be within -3.0 dB and +12.0 dB.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

1. Voice Grade 1 (VG1) Special Access Service (Cont'd)

e. Available Facility Interface Combinations

VG1 is available only with specific facility interface combinations. These combinations are set forth in 7.2.1 following.

2. Voice Grade 2 (VG2) Special Access Service

a. Description

Special Access Service VG2 provides a channel for voice frequency transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an end user's premises or Company Central Office where a Centrex CO switch is located. The transmission interface at the end user's premises or Company Central Office is two-wire or four-wire and the IC terminal location interface is four-wire. This service will support effective two-wire or effective four-wire transmission.

b. Illustrative Applications

Special Access Service VG2 is suitable for use as part of the facilities required to provide such services as:

-Centrex Type Services Main Station Line

-Concentrator-Identifier Trunk

-Extension Service

-Off-Premises Intercommunications Station Line

-Private Line Voice Circuit

-Paging Circuit

-Radio Land Line

-Order Circuit

-Management Circuit

-Foreign Exchange Line

-Long Distance Terminal Line

-Centrex *Type Services* Station Line Off-Premises

-Off-Premises Extension

-Off-Premises PBX Station Line

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

2. Voice Grade 2 (VG2) Special Access Service (Cont'd)

c. Optional Features

Central Office bridging capability

Improved return loss for effective two-wire transmission at the end user's premises

IC specified end user's premises receive level within a range acceptable to the Company on effective four-wire transmission.

Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel.

d. Transmission Performance

C-Message Noise

The C-Message Noise shall be less than:

Channel Mileage (mi)	**Limit (dBrnC0)**	
	Type V1	**Type V2**
0-50	32	38
51-100	33	39
101-200	35	41
201-400	37	43

Where facility network conditions will support the parameters, Type V1 will be provided. Where Type V1 parameters cannot be supported, Type V2 will be provided.

Echo Control

Echo Control, identified as Equal Level Echo Path Loss at four-wire interfaces or Return Loss at two-wire interfaces, for both Echo Return Loss and Singing Return Loss, at either the end user premises or IC terminal location shall be not less than the following limits:

Effective Two-Wire Transmission

(Four-Wire interface at the IC terminal location and Two-Wire interface at the IC customer premises)

Interface	**Echo Return Loss**	**Singing Return Loss**
Standard Return Loss (at Two Wire Interface)	5 dB	2.5 dB
Improved Return Loss (at Two Wire Interface)	13 dB	8 dB
Four Wire Interface (Equal Level Echo Path Loss)	16 dB	11 dB

(For Centrex Type Services application, 2 dB pad is "in")

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

2. Voice Grade 2 (VG2) Special Access Service (Cont'd)

d. Transmission Performance (Cont'd)

Effective Four-Wire Transmission

(Two-Wire interface at the end user's premises)

Interface	Echo Return Loss	Singing Return Loss
Two Wire Interface (Return Loss)	24 dB	18 dB
Four Wire Interface (Equal Level Echo Path Loss)	20 dB	14 dB

Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

Standard RL		Improved RL	
ERL	5dB	ERL	20dB
SRL	2.5dB	SRL	13.5dB

Loss Variation

The long term loss variation from the nominal 1004 Hz Expected Measured Loss (EML) shall not exceed +/-1.5 dB.

Attenuation Distortion

The attenuation distortion between 404 Hz and 2804 Hz shall be within -1.0 dB and +4.0 dB with reference to the loss at 1004 Hz (minus equals less loss, plus equals more loss). The attenuation distortion between 304 Hz and 3004 Hz shall be within -1.0 dB and +5.0 dB.

e. Available Facility Interface Combinations

VG2 is available only with specific facility interface combinations. These combinations are set forth in 7.2.1 following.

3. Voice Grade 3 (VG3) Special Access Service

a. Description

Special Access Service VG3 provides a channel for voice frequency transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an end user's premises or Company Central Office where Centrex *Type Services* is located. The transmission interface at the end user's premises or Company Central Office is two-wire or four-wire and the IC terminal location interface is four-wire. This service will support effective two-wire or four-wire transmission.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

3. Voice Grade 3 (VG3) Special Access Service (Cont'd)

b. Illustrative Applications

Special Access Service VG3 is suitable for use as part of the facilities required to provide such services as:

-Foreign Exchange Trunk (Closed End)

-Long Distance Terminal Trunk

-Remote Attendant Trunk

-Alternate Use Service

-PBX/CTX Tie Trunks

-ACD Trunks

-Off-Net Equivalent Service

-Station and Premises Connecting Facilities

c. Optional Features

-Improved return loss for effective two-wire transmission at the end user's premises

-IC specified end user's premises receive level within a range acceptable to the Company on effective four-wire transmission.

-Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel.

d. Transmission Performance

C-Message Noise

The C-Message Noise shall be less than:

Channel Mileage (mi)	**Limit (dBrnC0)**	
	Type V1	**Type V2**
0-50	32	38
51-100	33	39
101-200	35	41
201-400	37	43

Where facility network conditions will support the parameters, Type V1 will be provided. Where Type V1 parameters cannot be supported, Type V2 will be provided.

Echo Control

Echo Control, identified as Equal Level Echo Path Loss at four-wire interfaces or Return Loss at two-wire interfaces, for both Echo Return Loss and Singing Return Loss, at either the end user premises or IC terminal location shall be not less than the following limits:

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

3. Voice Grade 3 (VG3) Special Access Service (Cont'd)

d. Transmission Performance (Cont'd)

Effective Two-Wire Transmission

(Four-Wire interface at the IC terminal location, Two-Wire interface at the end user's premises)

Interface	Echo Return Loss	Singing Return Loss
Standard Return Loss (at Two Wire Interface)	5 dB	2.5 dB
Improved Return Loss (at Two Wire Interface)	13 dB	8 dB
Four Wire Interface (Equal Level Echo Path Loss)	16 dB	11 dB

(For Centrex *Type Services* application, 2 dB pad is "in")

Effective Four-Wire Transmission

(Two-Wire interface at the end user's premises)

Interface	Echo Return Loss	Singing Return Loss
Two Wire Interface (Return Loss)	24 dB	18 dB
Four Wire Interface (Equal Level Echo Path Loss)	20 dB	14 dB

Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

Standard RL		Improved RL	
ERL	5dB	ERL	20dB
SRL	2.5Db	SRL	13.5dB

Loss Variation

The long term loss variation from the nominal 1004 Hz Expected Measured Loss (EML) shall not exceed +/-1.5 dB.

Attenuation Distortion

The attenuation distortion between 404 Hz and 2804 Hz shall be within -1.0 dB and +3.0 dB with reference to the loss at 1004 Hz (minus equals less loss, plus equals more loss). The attenuation distortion between 304 Hz and 3004 Hz shall be within -1.0 dB and +5.0 dB.

e. Available Facility Interface Combinations

VG3 is available only with specific facility interface combinations. These combinations are set forth in 7.2.1 following.

4. Voice Grade 4 (VG4) Special Access Service

a. This service is for Interstate FAA use only.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

5. Voice Grade 5 (VG5) Special Access Service

a. Description

Special Access Service VG5 provides a channel for voiceband data transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an end user's premises. The transmission interface can be either two-wire or four-wire at the end user's premises and the IC terminal location. This service will support effective two-wire or four-wire transmission.

b. Illustrative Applications

Special Access Service VG5 is suitable for use as part of the facilities required to provide such services as:

-Alarm Circuits

-Autoscript

-Protective Alarm

c. Optional Features

-C-conditioning

-Central Office Bridging capability

-Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel.

d. Transmission Performance

C-Message Noise

The C-Message Noise shall be less than:

Channel Mileage (mi)	**Limit (dBrnC0)**	
	Type V1	**Type V2**
0-50	32	38
51-100	33	39
101-200	35	41
201-400	37	43

Where facility network conditions will support the parameters, Type V1 will be provided. Where Type V1 parameters cannot be supported, Type V2 will be provided.

Echo Control

Echo Control, identified as Equal Level Echo Path Loss at four-wire interfaces, for both Echo Return Loss and Singing Return Loss, at either the end user premises or IC terminal location shall be not less than the following limits:

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

5. Voice Grade 5 (VG5) Special Access Service (Cont'd)

d. Transmission Performance (Cont'd)

Effective Two-Wire Transmission

Interface	Echo Return Loss	Singing Return Loss
Two Wire Interface (Return Loss)	5 dB	2.5 dB
Four Wire Interface (Equal Level Echo Path Loss)	16 dB	11 dB

(Four-Wire interface at the IC terminal location and Two-Wire interface at the end user's premises)

Effective Four-Wire Transmission

(Two-Wire interface at the end user's premises)

Interface	Echo Return Loss	Singing Return Loss
Two Wire Interface (Return Loss)	24 dB	18 dB
Four Wire Interface (Equal Level Echo Path Loss)	20 dB	14 dB

(For Centrex *Type Services* application, 2 dB pad is "in")

Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

Standard RL		Improved RL	
ERL	5dB	ERL	20dB
SRL	2.5dB	SRL	13.5dB

Loss Variation

The long term loss variation from the nominal 1004 Hz Expected Measured Loss (EML) shall not exceed +/-1.5 dB.

Attenuation Distortion

The attenuation distortion between 404 Hz and 2804 Hz shall be within -1.0 dB and +5.0 dB with reference to the loss at 1004 Hz (minus equals less loss, plus equals more loss).

Signal-to-C Notch Noise

The Signal-to-C Notch Noise ratio shall not be less than 26 dB.

Impulse Noise

The number of impulse noise counts exceeding a threshold of 67 dBrnC0 in 15 minutes shall be less than 15.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

5. Voice Grade 5 (VG5) Special Access Service (Cont'd)

e. Available Facility Interface Combinations

VG5 is available only with specific facility interface combinations. These combinations are set forth in 7.2.1 following.

6. Voice Grade 6 (VG6) Special Access Service

a. Description

Special Access Service VG6 provides a channel for voiceband data transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an end user's premises. The transmission interface is four-wire at both the IC terminal location and the end user's premises. This service will support effective four-wire transmission.

b. Illustrative Applications

Special Access Service VG6 is suitable for use as part of the facilities required to provide such services as:

-Private Line Data Circuit

-Multiplex Line

-Control/Remote Metering

-Measurement and Recording Circuits

-Switching Control and Transfer Circuits

c. Optional Features

-C-Conditioning

-DA-Conditioning

-Central Office bridging capability

-Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel.

-Central Office Multiplexing

d. Transmission Performance

C-Message Noise

The C-Message Noise shall be less than:

Channel Mileage (mi)	**Limit (dBrnCO)**	
	Type V1	**Type V2**
0-50	32	38
51-100	33	39
101-200	35	41
201-400	37	43

Where facility network conditions will support the parameters, Type V1 will be provided. Where Type V1 parameters cannot be supported, Type V2 will be provided.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

6. Voice Grade 6 (VG6) Special Access Service (Cont'd)

d. Transmission Performance (Cont'd)

Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

	Standard RL	**Improved RL**
ERL	5dB	20dB
SRL	2.5dB	13.5dB

Loss Variation

The long term loss variation from the nominal 1004 Hz Expected Measured Loss (EML) shall not exceed +/-1.5 dB.

Attenuation Distortion

The attenuation distortion between 404 Hz and 2804 Hz shall be within -1.0 dB and +4.0 dB with reference to the loss at 1004 Hz (minus equals less loss, plus equals more loss). The attenuation distortion between 504 Hz and 2504 Hz shall be within -1.0 dB and +3.0 dB with reference to the loss at 1004 Hz. The attenuation distortion between 304 Hz and 3004 Hz shall be within -1.0 dB and +5.0 dB.

Signal-to-C Notch Noise

The Signal-to-C Notch Noise ratio shall not be less than 30 dB.

Envelope Delay Distortion

The Envelope Delay Distortion (EDD) shall not exceed 700 microseconds between 800 and 2600 Hz.

Impulse Noise

The number of impulse noise counts exceeding a threshold of 67 dBrnCO in 15 minutes shall be less than 15.

Intermodulation Distortion

The intermodulation distortion based upon the four tone method shall be such that R2 is not less than 33 dB and R3 is not less than 40 dB.

Phase Jitter

The phase jitter over 20-300 Hz shall not exceed 5 degrees peak-to-peak and over 4-300 Hz shall not exceed 10 degrees peak-to-peak.

Frequency Shift

The frequency shift shall not exceed +/-1 Hz.

e. Available Facility Interface Combinations

VG6 is available only with specific facility interface combinations. These combinations are set forth in 7.2.1 following.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

7. Voice Grade 7 (VG7) Special Access Service

a. Description

Special Access Service VG7 provides a channel for voiceband data transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an end user's premises or Company Central Office where a Centrex *Type Services* switch is located. The transmission interface at the end user's premises or Company Central Office is two-wire or four-wire and the IC terminal location interface is four-wire. This service will support effective two-wire or four-wire transmission.

b. Illustrative Applications

Special Access Service VG7 is suitable for use as part of the facilities required to provide such services as:

-Centrex *Type Services* Station Line Off-Premises Stations

-PBX Off-Premises Stations

-Foreign Exchange Trunk (Closed End)

-Foreign Exchange Line (Closed End)

-Long Distance Terminal Trunks

-PBX Tie Trunks

-Centrex Type Services Main Station Lines

-Voice Grade Data Connecting Facilities

-Off-net Equivalent Service

c. Optional Features

-Improved return loss for effective two-wire transmission at the end user's premises

-C-Conditioning

-DA-Conditioning

-IC specified end user's premises receive level within a range acceptable to the Company on effective four-wire transmission.

-Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel. Special Access Service

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

7. Voice Grade 7 (VG7) Special Access Service (Cont'd)

d. Transmission Performance

C-Message Noise

The C-Message Noise shall be less than:

Channel Mileage (mi)	Limit (dBrnC0)	
	Type V1	Type V2
0-50	32	38
51-100	33	39
101-200	35	41
201-400	37	43

Where facility network conditions will support the parameters, Type V1 will be provided. Where Type V1 parameters cannot be supported, Type V2 will be provided.

Echo Control

Echo Control, identified as Equal Level Echo Path Loss at four-wire interfaces or Return Loss at two-wire interfaces, for both Echo Return Loss and Singing Return Loss, at either the end user premises or IC terminal location shall be not less than the following limits:

Effective Two-Wire Transmission

(Four-Wire interface at the IC terminal location and Two-Wire interface at the end user's premises)

	Interface Loss	Echo Return Loss	Singing Return
Standard Return Loss (at Two Wire Interface)	**5 dB**	**2.5 dB**	
Improved Return Loss (at Two Wire Interface)	**13 dB**	**8 dB**	
Four Wire Interface (Equal Level Echo Path Loss)	**16 dB**	**11 dB**	

(For Centrex *Type Services* application, 2 dB pad is "in")

Effective Four-Wire Transmission

(Two-Wire interface at the end user's premises)

	Interface Loss	Echo Return Loss	Singing Return
Two Wire Interface (Return Loss)	**24 dB**	**18 dB**	
Four Wire Interface (Equal Level Echo Path Loss)	**20 dB**	**14 dB**	

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

7. Voice Grade 7 (VG7) Special Access Service (Cont'd)

d. Transmission Performance (Cont'd)

Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

		Standard RL	**Improved RL**
5dB	ERL	20dB	ERL
2.5dB	SRL	13.5dB	SRL

Loss Variation

The long term loss variation from the nominal 1004 Hz Expected Measured Loss (EML) shall not exceed +/-1.5 dB.

Attenuation Distortion

The attenuation distortion between 404 Hz and 2804 Hz shall be within -1.0 dB and +2.0 dB with reference to the loss at 1004 Hz (minus equals less loss, plus equals more loss). The attenuation distortion between 304 Hz and 3004 Hz shall be within -1.0 dB and +5.0 dB.

Signal-to-C Notch Noise

The Signal-to-C Notch Noise ratio shall not be less than 30 dB.

Envelope Delay Distortion

The Envelope Delay Distortion (EDD) shall not exceed 700 microseconds between 800 and 2600 Hz.

Impulse Noise

The number of impulse noise counts exceeding a threshold of 67 dBrnC0 in 15 minutes shall be less than 15.

Intermodulation Distortion

The intermodulation distortion based upon the four tone method shall be such that R2 is not less than 33 dB and R3 not less than 40 dB.

Phase Jitter

The phase jitter over 20-300 Hz shall not exceed 5 degrees peak-to-peak and over 4-300 Hz shall not exceed 10 degrees peak-to-peak.

Frequency Shift

The frequency shift shall not exceed +/-1 Hz.

e. Available Facility Interface Combinations

VG7 is available only with specific facility interface combinations. These combinations are set forth in 7.2.1 following.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

8. Voice Grade 8 (VG8) Special Access Service

a. Description

Special Access Service VG8 provides a channel for voice-band data transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an end user's premises or Company Central Office. The standard transmission interface at the end user's premises or Company Central Office is two-wire or four-wire and the IC terminal location interface is four-wire. This service will support effective four-wire transmission.

b. Illustrative Applications

Special Access Service VG8 is suitable for use as part of the facilities required to provide such services:

-SSN Access Line

-SSN Station Line

c. Optional Features

-C-conditioning

-IC specified end user's premises receive level within a range acceptable to the Company for effective four-wire transmission.

-Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel.

d. Transmission Performance

C-Message Noise

The C-Message Noise shall be less than:

Channel Mileage (mi)	Limit (dBrnC0)	
	Type V1	Type V2
0-50	32	38
51-100	33	39
101-200	35	41
201-400	37	43

Where facility network conditions will support the parameters, Type V1 will be provided. Where Type V1 parameters cannot be supported, Type V2 will be provided.

Echo Control

Echo Control, identified as Equal Level Echo Path Loss at four-wire interfaces or Return Loss at two-wire interfaces, for both Echo Return Loss and Singing Return Loss, at either the end user premises or IC terminal location shall be not less than the following limits:

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

8. Voice Grade 8 (VG8) Special Access Service (Cont'd)

d. Transmission Performance (Cont'd)

Effective Four-Wire Transmission

(Two-Wire interface at the end user's premises)

	Interface Loss	**Echo Return Loss Singing Return**
Two Wire Interface (Return Loss)	**24 dB**	**18 dB**
Four Wire Interface (Equal Level Echo Path Loss)	**20 dB**	**14 dB**

(For Centrex *Type Services* application, 2 dB pad is "in")

Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

		Standard RL		**Improved RL**
ERL	5dB	ERL	20dB	
SRL	2.5dB	SRL	13.5dB	

Loss Variation

The long term loss variation from the nominal 1004 Hz Expected Measured Loss (EML) shall not exceed +/-1.5 dB.

Attenuation Distortion

The attenuation distortion between 404 Hz and 2804 Hz shall be within -1.0 dB and +2.0 dB with reference to the loss at 1004 Hz (minus equals less loss, plus equals more loss). The attenuation distortion between 304 Hz and 3004 Hz shall be within -1.0 dB and +5.0 dB.

Signal-to-C Notch Noise

The Signal-to-C Notch Noise ratio shall not be less than 32 dB.

Envelope Delay Distortion

The Envelope Delay Distortion (EDD) shall not exceed 700 microseconds between 800 and 2600 Hz.

Impulse Noise

The number of impulse noise counts exceeding a threshold of 67 dBrnCO in 15 minutes shall be less than 15.

Intermodulation Distortion

The intermodulation distortion based upon the four tone method shall be such that R2 is not less than 45 dB and R3 not less than 48 dB.

Phase Jitter

The phase jitter over 20-300 Hz shall not exceed 4 degrees peak-to-peak and over 4-300 Hz shall not exceed 9 degrees peak-to-peak.

Frequency Shift

The frequency shift shall not exceed +/-1 Hz.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

8. Voice Grade 8 (VG8) Special Access Service (Cont'd)

e. Available Facility Interface Combinations

VG8 is available only with specific facility interface combinations. These combinations are set forth in 7.2.1 following.

9. Voice Grade 9 (VG9) Special Access Service

a. Description

Special Access Service VG9 provides a channel for voiceband data transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and another IC terminal location or a Company Central Office which serves as an SSN Switch. The transmission interface at the end user's premises or Company Central Office is four-wire and the IC terminal location interface is four-wire. This service will support effective four-wire transmission.

b. Illustrative Applications

Special Access Service VG9 is suitable for use as part of the facilities required to provide such services as SSN Network Trunks.

c. Optional Features

-C-conditioning

-IC specified end user's premises receive level within a range acceptable to the Company for effective four-wire transmission

-Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel.

d. Transmission Performance

C-Message Noise

The C-Message Noise shall be less than:

Channel Mileage (mi)	**Limit (dBrnC0)**	
	Type V1	**Type V2**
0-50	32	38
51-100	33	39
101-200	35	41
201-400	37	43

Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

	Standard RL	**Improved RL**
ERL	5dB	ERL 20dB
SRL	2.5dB	SRL 13.5dB

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

9. Voice Grade 9 (VG9) Special Access Service (Cont'd)

d. Transmission Performance (Cont'd)

Loss Variation

The long term loss variation from the nominal 1004 Hz Expected Measured Loss (EML) shall not exceed +/- 1.5 dB.

Attenuation Distortion

The attenuation distortion between 404 Hz and 2804 Hz shall be within -1.0 dB and +2.0 dB with reference to the loss at 1004 Hz and between 304 Hz and 3004 Hz shall be within -3.0 dB and +12.0 dB (minus equals less loss, plus equals more loss).

Signal-to-C Notch Noise

The Signal-to-C Notch Noise ratio shall not be less than 34 dB.

Envelope Delay Distortion

The Envelope Delay Distortion (EDD) shall not exceed 700 microseconds between 800 and 2600 Hz.

Impulse Noise

The number of impulse noise counts exceeding a threshold of 67 dBrnC0 in 15 minutes shall be less than 15.

Intermodulation Distortion

The intermodulation distortion based upon the four tone method shall be such that R2 is not less than 50 dB and R3 not less than 54 dB.

Phase Jitter

The phase jitter over 20-300 Hz shall not exceed 3 degrees peak-to-peak and over 4-300 Hz shall not exceed 8 degrees peak-to-peak.

Frequency Shift

The frequency shift shall not exceed +/-1 Hz.

e. Available Facility Interface Combinations

VG9 is available only with specific facility interface combinations. These combinations are set forth in 7.2.1 following.

10. Voice Grade 10 (VG10) Special Access Service

a. Description

Special Access Service VG10 provides a channel for voiceband data transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an end user's premises. The standard transmission interface at the end user's premises or Company Central Office and the IC terminal location is four-wire. This service will support effective four-wire transmission.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

10. Voice Grade 10 (VG10) Special Access Service (Cont'd)

b. Illustrative Applications

Special Access Service VG10 is suitable for use as part of the facilities required to provide such services as:

-Digital Data off net Extension

-Voice Grade Data Facility

c. Optional Features

-Central Office bridging capability

-Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel.

-C-Conditioning

-DA-Conditioning

d. Transmission Performance

C-Message Noise

The C-Message Noise shall be less than:

Channel Mileage (mi)	Limit (dBrnC0)	
	Type V1	Type V2
0 50	32	38
51 100	33	39
101 200	35	41
201 400	37	43

Where facility network conditions will support the parameters, Type V1 will be provided. Where Type V1 parameters cannot be supported, Type V2 will be provided.

Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

Standard RL		Improved RL	
ERL	5dB	ERL	20dB
SRL	2.5dB	SRL	13.5dB

Loss Variation

The long term loss variation from the nominal 1004 Hz Expected Measured Loss (EML) shall not exceed +/-4 dB.

Attenuation Distortion

The attenuation distortion between 404 Hz and 2804 Hz shall be within -2.0 dB and +10.0 dB with reference to the loss at 1004 Hz (minus equals less loss, plus equals more loss). The attenuation distortion between 504 Hz and 2504 Hz shall be within -2.0 dB and +8.0 dB with reference to the loss at 1004 Hz. The attenuation distortion between 304 Hz and 3004 Hz shall be within -3.0 dB and +12.0 dB.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

10. Voice Grade 10 (VG10) Special Access Service (Cont'd)

d. Transmission Performance (Cont'd)

Signal-to-C Notch Noise

The Signal-to-C Notch Noise ratio shall not be less than 24 dB.

Envelope Delay Distortion

The Envelope Delay Distortion (EDD) shall not exceed 1750 microseconds between 800 and 2600 Hz.

Impulse Noise

The number of impulse noise counts exceeding a threshold of 71 dBrnC0 in 15 minutes shall be less than 15.

Intermodulation Distortion

The intermodulation distortion based upon the four tone method shall be such that R2 is not less than 27 dB and R3 not less than 32 dB.

Phase Jitter

The phase jitter over 20-300 Hz shall not exceed 10 degrees peak-to-peak and our 4-300 Hz shall not exceed 15 degrees peak-to-peak.

Frequency Shift

The frequency shift shall not exceed +/-3 Hz.

e. Available Facility Interface Combinations

VG10 is available only with specific facility interface combinations. These combinations are set forth in 7.2.1 following.

11. Voice Grade 11 (VG11) Special Access Service

a. Description

Special Access Service VG11 provides a channel for telephoto/facsimile transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an end user's premises. The transmission interfaces at the end user's premises can be either two-wire or four-wire, and at the IC terminal location, the interface is four-wire. This service will support either effective two-wire or four-wire transmission.

b. Illustrative Applications

Special Access Service VG11 is suitable for use as part of the facilities required to provide such services as telephoto/facsimile.

c. Optional Features

-Central Office Bridging Capability

-Telephoto conditioning

-Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

11. Voice Grade 11 (VG11) Special Access Service (Cont'd)

d. Transmission Performance

C-Message Noise

The C-Message Noise shall be less than:

Channel Mileage (mi)	Limit (dBrnC0) Type V1	Type V2
0 50	32	38
51 100	33	39
101 200	35	41
201 400	37	43

Where facility network conditions will support the parameters, Type V1 will be provided. Where Type V1 parameters cannot be supported, Type V2 will be provided.

Echo Control

Echo Control, identified as Equal Level Echo Path Loss at four-wire interfaces or Return Loss at two-wire interfaces, for both Echo Return Loss and Singing Return Loss, at either the end user premises or IC terminal location shall be not less than the following limits:

Effective Two-Wire Transmission

(Four-Wire interface at the IC terminal location and Two-Wire interface at the end user's premises)

	Interface Loss	Echo Return Loss	Singing Return
Two Wire Interface (Return Loss)	**5 dB**	**2.5 dB**	
Four Wire Interface (Equal Level Echo Path Loss)	**16 dB**	**11 dB**	

Effective Four-Wire Transmission

(Two-Wire interface at the end user's premises)

	Interface Loss	Echo Return Loss	Singing Return
Two Wire Interface (Return Loss)	**24 dB**	**18 dB**	
Four Wire Interface (Equal Level Echo Path Loss)	**20 dB**	**14 dB**	

Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

Standard RL		Improved RL	
ERL	5dB	ERL	20
SRL	2.5dB	SRL	13.5dB

Loss Variation

The long term loss variation from the nominal 2204 Hz Expected Measured Loss (EML) shall not exceed +/-1.5 dB.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

11. Voice Grade 11 (VG11) Special Access Service (Cont'd)

d. Transmission Performance (Cont'd)

Attenuation Distortion

The attenuation distortion between 1204 Hz and 2604 Hz shall be within -1.0 dB and +1.0 dB with reference to the loss at 2204 Hz (minus equals less loss, plus equals more loss). The attenuation distortion between 304 Hz and 3004 Hz shall be within -1.0 dB and +5.0 dB.

Signal-to-C Notch Noise

The Signal-to-C Notch Noise ratio shall not be less than 30 dB.

Envelope Delay Distortion

The Envelope Delay Distortion (EDD) shall not exceed 700 microseconds between 1200 and 2600 Hz.

Impulse Noise

The number of impulse noise counts exceeding a threshold of 67 dBrnC0 in 15 minutes shall be less than 15.

Intermodulation Distortion

The intermodulation distortion based upon the four tone method shall be such that R2 is not less than 33 dB and R3 not less than 40 dB.

Phase Jitter

The phase jitter over 20-300 Hz shall not exceed 5 degrees peak-to-peak and over 4-300 Hz shall not exceed 10 degrees peak-to-peak.

Frequency Shift

The frequency shift shall not exceed +/-1 Hz.

e. Available Facility Interface Combinations

VG11 is available only with specific facility interface combinations. These combinations are set forth in 7.2.1 following.

12. Voice Grade 12 (VG12) Special Access Service

a. Description

Special Access Service VG12 provides a channel for voice frequency transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an end user's premises. Such services are used by electric power utilities for the transmission of control signals (voice frequency tones) which are critical to the operation and protection of power systems during fault intervals. The service may be one-way, effective two-wire or two-way, effective four-wire and may be ordered in two-point or multipoint configurations. The transmission interface at the IC terminal location and the end user's premises can be either two-wire or four-wire.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

12. Voice Grade 12 (VG12) Special Access Service (Cont'd)

b. Illustrative Applications

Special Access Service VG12 is suitable for use as part of the facilities required to provide voice grade private line audio tone protective relaying service.

c. Optional Features

Central Office Bridging Capability

Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel.

d. Transmission Performance

C-Message Noise

The C-Message Noise shall be less than:

Channel Mileage (mi)	Limit (dBrnC0)	
	Type V1	Type V2
0 50	32	38
51 100	33	39
101 200	35	41
201 400	37	43

Where facility network conditions will support the parameters, Type V1 will be provided. Where Type V1 parameters cannot be supported, Type V2 will be provided.

Echo Control

Echo Control identified as Equal Level Echo Path Loss at four-wire interfaces or Return Loss at two-wire interfaces, for both Echo Return Loss and Singing Return Loss, at either the end user premises or IC terminal location shall be not less than the following limits:

Effective Two-Wire Transmission

(Two-Wire interface at the end user's premises)

Interface	Echo Return Loss	Singing Return Loss
Two Wire Interface (Return Loss)	5 dB	2.5 dB
Four Wire Interface (Equal Level Echo Path Loss	16 dB	11 dB

Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

Standard RL	Improved RL
ERL 5dB	ERL 20dB
SRL 2.5dB	SRL 13.5dB

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

12. Voice Grade 12 (VG12) Special Access Service (Cont'd)

d. Transmission Performance (Cont'd)

Loss Variation

The long term loss variation from the nominal Expected Measured Loss (EML) shall not exceed +/-1.5 dB.

Attenuation Distortion

The attenuation distortion between 304 Hz and 3004 Hz shall be within -1.0 dB and +2.5 dB with reference to the loss at 1004 Hz (minus equals less loss, plus equals more loss). The attenuation distortion between 504 Hz and 2804 Hz shall be within -0.5 dB and +1.0 dB with reference to the loss at 1004 Hz.

Signal-to-C Notch Noise

The Signal-to-C Notch Noise ratio shall not be less than 32 dB.

Envelope Delay Distortion

The Envelope Delay Distortion (EDD) shall not exceed 715 microseconds between 800 and 2600 Hz.

Impulse Noise

The number of impulse noise counts exceeding a threshold of 67 dBrnC0 in 15 minutes shall be less than 15.

Frequency Shift

The frequency shift shall not exceed +/-1 Hz.

e. Available Facility Interface Combinations

VG12 is available only with specific facility interface combinations. These combinations are set forth in 7.2.1 following.

13. Available Facility Interface (FI) Combinations

The following table shows the available facility interface combinations and which Voice Grade Services they may be ordered with.

FI Combinations		**Voice Grade Service (VG)**
IC	**End User**	
2AB2	2AC2	2
2AB3	2AC2	2
4AB2	2AC2	2
4AB3	2AC2	2
4AB2	4AC2	2
4AB3	4AC2	2
4AB2	4SF2	2
4AB3	4SF2	2

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

13. Available Facility Interface (FI) Combinations (Cont'd)

4AH5 B	2AC2	2
4AH6 C	2AC2	2
4AH6 D	2AC2	2
4AH5 B	4AC2	2
4AH6 C	4AC2	2
4AH6 D	4AC2	2
4AH5 B	2DA2	6, 12
4AH6 C	2DA2	5, 6, 12
4AH6 D	2DA2	6, 12
4AH5 B	4DA2	6, 10, 12
4AH6 C	4DA2	6, 10, 12
4AH6 D	4DA2	6, 10
4AH5 B	6DA2	5, 6, 10
4AH6 C	6DA2	6, 10
4AH6 D	6DA2	6, 10
4AH5 B	4DE2	5
4AH6 C	4DE2	5
4AH6 D	4DE2	5
4AH5 B	4DX2	9
4AH5 B	4DX3	9
4AH6 C	4DX2	9
4AH6 D	4DX2	9
4AH6 C	4DX3	9
4AH6 D	4DX3	9
4AH5 B	2DY2	3, 7, 8
4AH6 C	2DY2	3, 7, 8
4AH6 D	2DY2	3, 7, 8
4AH5 B	4DY2	3, 7, 8
4AH6 C	4DY2	3, 7, 8
4AH6 D	4DY2	3, 7, 8
4AH5 B	6DY2	3, 7, 8
4AH5 B	6DY3	3, 7, 8
4AH6 C	6DY2	3, 7, 8
4AH6 D	6DY2	3, 7, 8
4AH6 C	6DY3	3, 7, 8
4AH6 D	6DY3	3, 7, 8
4AH5 B	9DY2	3, 7, 8
4AH5 B	9DY3	3, 7, 8
4AH6 C	9DY2	3, 7, 8
4AH6 D	9DY2	3, 7, 8
4AH6 C	9DY3	3, 7, 8
4AH6 D	9DY3	3, 7, 8
4AH5 B	4EA2 E	3, 7, 8
4AH5 B	4EA2 M	3, 7, 8
4AH6 C	4EA2 E	3, 7, 8
4AH6 C	4EA2 M	3, 7, 8
4AH6 D	4EA2 E	3, 7, 8
4AH6 D	4EA2 M	3, 7, 8
4AH5 B	6EA2 E	3, 7, 8
4AH5 B	6EA2 M	3, 7, 8, 9
4AH6 C	6EA2 E	3, 7, 8
4AH6 C	6EA2 M	3, 7, 8, 9
4AH6 D	6EA2 E	3, 7, 8

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

13. Available Facility Interface (FI) Combinations (Cont'd)

4AH6 D	6EA2 M	3, 7, 8, 9
4AH5 B	9EA2	3, 7, 8
4AH5 B	9EA3	3, 7, 8
4AH6 C	9EA2	3, 7, 8
4AH6 D	9EA2	3, 7, 8
4AH6 C	9EA3	3, 7, 8
4AH6 D	9EA3	3, 7, 8
4AH5 B	6EB2 E	3, 7, 8
4AH5 B	6EB2 M	3, 7, 8
4AH6 C	6EB2 E	3, 7, 8
4AH6 C	6EB2 M	3, 7, 8
4AH6 D	6EB2 E	3, 7, 8
4AH6 D	6EB2 M	3, 7, 8
4AH5 B	8EB2 E	3, 7, 8
4AH5 B	8EB2 M	3, 7, 8, 9
4AH6 C	8EB2 E	3, 7, 8
4AH6 C	8EB2 M	3, 7, 8, 9
4AH6 D	8EB2 E	3, 7, 8
4AH6 D	8EB2 M	3, 7, 8, 9
4AH5 B	2GO2	1
4AH6 C	2GO2	1
4AH6 D	2GO2	1
4AH5 B	2GS2	1, 3, 7
4AH5 B	2GS3	3, 7
4AH6 C	2GS2	1, 3, 7
4AH6 D	2GS2	1, 3, 7
4AH6 C	2GS3	3, 7
4AH6 D	2GS3	3, 7
4AH5 B	4GS2	3, 7
4AH6 C	4GS2	3, 7
4AH6 D	4GS2	3, 7
4AH5 B	6GS2	3, 7
4AH6 C	6GS2	3, 7
4AH6 D	6GS2	3, 7
4AH5 B	2LA2	2, 7
4AH6 C	2LA2	2, 7
4AH6 D	2LA2	2, 7
4AH5 B	2LB2	2, 7
4AH6 C	2LB2	2, 7
4AH6 D	2LB2	2, 7
4AH5 B	2LC2	2, 7
4AH6 C	2LC2	2, 7
4AH6 D	2LC2	2, 7
4AH5 B	2LO2	1
4AH5 B	2LO3	3, 7
4AH6 C	2LO2	1
4AH6 D	2LO2	1
4AH6 C	2LO3	3, 7
4AH6 D	2LO3	3, 7
4AH5 B	2LR2	2

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

13. Available Facility Interface (FI) Combinations (Cont'd)

4AH6 C	2LR2	2
4AH6 D	2LR2	2
4AH5 B	4LR2	2
4AH6 C	4LR2	2
4AH6 D	4LR2	2
4AH5 B	2LS2	1, 2, 3, 7, 8

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

13. Available Facility Interface (FI) Combinations (Cont'd)

FI Combinations IC	End User	Voice Grade Service (VG)
4AH5 B	2LS3	2, 3, 7
4AH6 C	2LS2	1, 2, 3, 7, 8
4AH6 D	2LS2	1, 2, 3, 7, 8
4AH6 C	2LS3	2, 3, 7
4AH6 D	2LS3	2, 3, 7
4AH5 B	4LS2	2, 3, 7
4AH6 C	4LS2	2, 3, 7
4AH6 D	4LS2	2, 3, 7
4AH5 B	6LS2	2, 3, 7
4AH6 C	6LS2	2, 3, 7
4AH6 D	6LS2	2, 3, 7
4AH5 B	2NO2	1, 2, 5, 7
4AH6 C	2NO2	1, 2, 5, 7
4AH6 D	2NO2	1, 2, 5, 7
4AH5 B	4NO2	1, 2, 5, 6, 7, 9
4AH6 C	4NO2	1,2, 5, 6, 7, 9
4AH6 D	4NO2	1, 2, 5, 6, 7, 9
4AH5 B	2RV2 T	3, 7
4AH6 C	2RV2 T	3, 7
4AH6 D	2RV2 T	3, 7
4AH5 B	4RV2 T	3, 7
4AH6 C	4RV2 T	3, 7
4AH6 D	4RV2 T	3, 7
4AH5 B	4SF2	2, 3, 7, 8, 9
4AH5 B	4SF3	9
4AH6 C	4SF2	2, 3, 7, 8, 9
4AH6 D	4SF2	2, 3, 7, 8, 9
4AH6 C	4SF3	9
4AH6-D	4SF3	9
4AH5-B	2TF2	11
4AH6-C	2TF2	11
4AH6-D	2TF2	11
4AH5-B	4TF2	11
4AH6-C	4TF2	11
4AH6-D	4TF2	11
4DA2	4DA2	10
4DA2	6DA2	10
6DA2	4DA2	10
6DA2	6DA2	10
2DB2	2DA2	5, 6
2DB3	2DA2	12
4DB2	2DA2	5, 6, 12
4DB2	4DA2	5, 10, 12
4DB2	6DA2	5, 6, 10
4DB2	4NO2	6
2DD3	2DE2	5
4DD3	4DE2	5
4DS9	2AC2	2
4DS9	4AC2	2

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

13. Available Facility Interface (FI) Combinations (Cont'd)

4DS9	2DA2	6, 10, 12
4DS9	4DA2	5, 6
4DS9	6DA2	6, 10
4DS9	4DE2	5
4DS9	4DX2	9
4DS9	4DX3	9
4DS9	2DY2	3, 7, 8
4DS9	4DY2	3, 7, 8
4DS9	6DY2	3, 7, 8
4DS9	6DY3	3, 7, 8
4DS9	9DY2	3, 7, 8
4DS9	9DY3	3, 7, 8
4DS9	4EA2 E	3, 7, 8
4DS9	4EA2 M	3, 7, 8
4DS9	6EA2 E	3, 7, 8
4DS9	6EA2 M	3, 7, 8, 9
4DS9	9EA2	3, 7, 8
4DS9	9EA3	3, 7, 8
4DS9	6EB2 E	3, 7, 8
4DS9	6EB2 M	3, 7, 8
4DS9	8EB2 E	3, 7, 8
4DS9	8EB2 M	3, 7, 8, 9
4DS9	2GO2	1
4DS9	2GS2	1, 3, 7
4DS9	2GS3	3, 7
4DS9	4GS2	3, 7
4DS9	6GS2	3, 7
4DS9	2LA2	2, 7
4DS9	2LB2	2, 7
4DS9	2LC2	2, 7
4DS9	2LO2	1
4DS9	2LO3	2, 7
4DS9	2LR2	2
4DS9	4LR2	2
4DS9	2LS2	1, 2, 3, 7, 8
4DS9	2LS3	2, 3, 7
4DS9	4LS2	2, 3, 7
4DS9	6LS2	2, 3, 7
4DS9	2NO2	1, 2, 5, 7
4DS9	4NO2	1, 2, 5, 6, 7, 9
4DS9	2RV2 T	3, 7
4DS9	4RV2 T	3, 7
4DS9	4SF2	2, 3, 7, 8, 9

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

13. Available Facility Interface (FI) Combinations (Cont'd)

4DS9	4SF3	9
4DS9	2TF2	11
4DS9	4TF2	11
4DX2	4DX2	9
4DX2	4DX3	9
4DX3	4DX2	9
4DX3	4DX3	9
4DX2	2DY2	3, 7, 8
4DX3	2DY2	3, 7, 8
4DX2	4DY2	3, 7, 8
4DX3	4DY2	3, 7, 8
4DX2	6DY2	3, 7, 8
4DX2	6DY3	3, 7, 8
4DX3	6DY2	3, 7, 8
4DX3	6DY3	3, 7, 8
4DX2	9DY2	3, 7, 8
4DX2	9DY3	3, 7, 8
4DX3	9DY3	3, 7, 8
6DX2	2DY2	3
6DX2	4DY2	3, 7, 8
6DX2	6DY2	3, 7, 8
6DX2	6DY3	3, 7, 8
6DX2	9DY2	3, 7, 8
6DX2	9DY3	3, 7, 8
4DX2	4EA2 E	3, 7, 8
4DX2	4EA2 M	3, 7, 8
4DX3	4EA2 E	3, 7, 8
4DX3	4EA2 M	3, 7, 8
4DX2	6EA2 E	3, 7, 8
4DX2	6EA2 M	3, 7, 8, 9
4DX3	6EA2 E	3, 7, 8
4DX3	6EA2 M	3, 7, 8, 9
4DX2	9EA2	3, 7, 8
4DX2	9EA3	3, 7, 8
4DX3	9EA2	3, 7, 8
4DX3	9EA3	3, 7, 8
6DX2	4EA2 E	3, 7, 8
6DX2	4EA2 M	3, 7, 8
6DX2	6EA2 E	3, 7, 8
6DX2	6EA2 M	3, 7, 8
6DX2	9EA2	3, 7, 8
6DX2	9EA3	3, 7, 8
4DX2	6EB2 E	3, 7, 8
4DX2	6EB2 M	3, 7, 8
4DX3	6EB2 E	3, 7, 8
4DX3	6EB2 M	3, 7, 8
4DX2	8EB2 E	3, 7, 8
4DX2	8EB2 M	3, 7, 8, 9
4DX3	8EB2 E	3, 7, 8
4DX3	8EB2 M	3, 7, 8, 9
6DX2	6EB2 E	3, 7, 8
6DX2	6EB2 M	3, 7, 8
6DX2	8EB2 E	3, 7, 8

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

13. Available Facility Interface (FI) Combinations (Cont'd)

6DX2	8EB2 M	3, 7, 8
2DX3	2LA2	2, 7
4DX2	2LA2	2, 7
4DX3	2LA2	2, 7
2DX3	2LB2	2, 7
4DX2	2LB2	2, 7
4DX3	2LB2	2, 7
2DX3	2LC2	2, 7
4DX2	2LC2	2, 7
4DX3	2LC2	2, 7
2DX3	2LO3	2, 7
4DX2	2LO3	2, 7
4DX3	2LO3	2, 7
2DX3	2LS2	2, 3, 7
2DX3	2LS3	2, 3, 7
4DX2	2LS2	2, 3, 7, 8
4DX2	2LS3	2, 3, 7
4DX3	2LS2	2, 3, 7, 8
4DX3	2LS3	2, 3, 7
4DX2	4LS2	2, 3, 7
4DX3	4LS2	2, 3, 7
4DX2	6LS2	2, 3, 7
4DX3	6LS2	2, 3, 7
4DX2	2RV2 T	3, 7
4DX3	2RV2 T	3, 7
4DX2	4RV2 T	3, 7
4DX3	4RV2 T	3, 7
4DX2	4SF2	2, 3, 7, 8, 9
4DX2	4SF3	9
4DX3	4SF2	2, 3, 7, 8, 9
4DX3	4SF3	9
6DX2	4SF2	3, 7, 8
6EA2 E	2AC2	2
6EA2 M	2AC2	2
6EA2 E	4AC2	2
6EA2 M	4AC2	2
6EA2 E	4DX2	9
6EA2 M	4DX2	9
6EA2 E	4DX3	9
6EA2 M	4DX3	9
4EA3 E	2DY2	3, 7
4EA3 E	4DY2	3, 7
4EA3 E	6DY2	3, 7
4EA3 E	6DY3	3, 7
4EA3 E	9DY2	3, 7
4EA3 E	9DY3	3, 7
6EA2 E	2DY2	3, 7, 8
6EA2 M	2DY2	3, 7, 8
6EA2 E	4DY2	3, 7, 8

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

13. Available Facility Interface (FI) Combinations (Cont'd)

6EA2 M	4DY2	3, 7, 8
6EA2 E	6DY2	3, 7, 8
6EA2 M	6DY2	3, 7, 8
6EA2 E	6DY3	3, 7, 8
6EA2 M	6DY3	3, 7, 8
6EA2 E	9DY2	3, 7, 8
6EA2 M	9DY2	3, 7, 8
6EA2 E	9DY3	3, 7, 8
6EA2 M	9DY3	3, 7, 8
4EA3 E	4EA2 E	3, 7
4EA3 E	4EA2 M	3, 7
4EA3 E	6EA2 E	3, 7
4EA3 E	6EA2 M	3, 7
4EA3 E	9EA2	3, 7
4EA3 E	9EA3	3, 7
6EA2 E	4EA2 E	3, 7, 8
6EA2 E	4EA2 M	3, 7, 8
6EA2 M	4EA2 E	3, 7, 8
6EA2 M	4EA2 M	3, 7, 8
6EA2 E	6EA2 E	3, 7, 8
6EA2 E	6EA2 M	3, 7, 8, 9
6EA2 M	6EA2 E	3, 7, 8
6EA2 M	6EA2 M	3, 7, 8, 9
6EA2 E	9EA2	3, 7, 8
6EA2 M	9EA2	3, 7, 8
6EA2 E	9EA3	3, 7, 8
6EA2 M	9EA3	3, 7, 8
4EA3 E	6EB2 E	3, 7
4EA3 E	6EB2 M	3, 7
4EA3 E	8EB2 E	3, 7
4EA3 E	8EB2 M	3, 7
6EA2 E	6EB2 E	3, 7, 8
6EA2 E	6EB2 M	3, 7, 8
6EA2 M	6EB2 E	3, 7, 8
6EA2 M	6EB2 M	3, 7, 8
6EA3 E	6EB2 E	3, 7
6EA3 E	6EB2 M	3, 7
6EA2 E	8EB2 E	3, 7, 8
6EA2 E	8EB2 M	3, 7, 8, 9
6EA2 M	8EB2 E	3, 7, 8
6EA2 M	8EB2 M	3, 7, 8, 9
6EA2 E	2LA2	2, 7
6EA2 M	2LA2	2, 7
6EA2 E	2LB2	2, 7
6EA2 M	2LB2	2, 7
6EA2 E	2LC2	2, 7
6EA2 M	2LC2	2, 7
6EA2 E	2LO3	2, 7
6EA2 M	2LO3	2, 7
6EA2 E	2LS2	2, 3, 7, 8
6EA2 M	2LS2	2, 3, 7, 8

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

13. Available Facility Interface (FI) Combinations (Cont'd)

6EA2 E	2LS3	2, 3, 7
6EA2 M	2LS3	2, 3, 7
6EA2 E	4LS2	2, 3, 7
6EA2 M	4LS2	2, 3, 7
6EA2 E	6LS2	2, 3, 7
6EA2 M	6LS2	2, 3, 7
6EA2 E	2RV2 T	3, 7
6EA2 M	2RV2 T	3, 7
6EA2 E	4RV2 T	3, 7
6EA2 M	4RV2 T	3, 7
4EA3 E	4SF2	3, 7
6EA2 E	4SF2	2, 3, 7, 8, 9
6EA2 M	4SF2	2, 3, 7, 8, 9
6EA2 E	4SF3	9
6EA2 M	4SF3	9
8EB2 E	2AC2	2
8EB2 M	2AC2	2
8EB2 E	4AC2	2
8EB2 M	4AC2	2
8EB2 E	4DX2	9
8EB2 M	4DX2	9
8EB2 E	4DX3	9
8EB2 M	4DX3	9
6EB3 E	2DY2	3, 7
6EB3 E	4DY2	3, 7
6EB3 E	6DY2	3, 7
6EB3 E	6DY3	3, 7
6EB3 E	9DY2	3, 7
6EB3 E	9DY3	3, 7
8EB2 E	2DY2	3, 7, 8
8EB2 M	2DY2	3, 7, 8
8EB2 E	4DY2	3, 7, 8
8EB2 M	4DY2	3, 7, 8
8EB2 E	6DY2	3, 7, 8
8EB2 M	6DY2	3, 7, 8
8EB2 E	6DY3	3, 7, 8
8EB2 M	6DY3	3, 7, 8
8EB2 E	9DY2	3, 7, 8
8EB2 M	9DY2	3, 7, 8
8EB2 E	9DY3	3, 7, 8
8EB2 M	9DY3	3, 7, 8
6EB3 E	4EA2 E	3, 7
6EB3 E	4EA2 M	3, 7
6EB3 E	6EA2 E	3, 7
6EB3 E	6EA2 M	3, 7
6EB3 E	9EA2	3, 7
6EB3 E	9EA3	3, 7
8EB2 E	4EA2 E	3, 7, 8
8EB2 E	4EA2 M	3, 7, 8
8EB2 M	4EA2 E	3, 7, 8
8EB2 M	4EA2 M	3, 7, 8
8EB2 E	6EA2 E	3, 7, 8

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

13. Available Facility Interface (FI) Combinations (Cont'd)

8EB2 E	6EA2 M	3, 7, 8, 9
8EB2 M	6EA2 E	3, 7, 8
8EB2 M	6EA2 M	3, 7, 8, 9
8EB2 E	9EA2	3, 7, 8
8EB2 M	9EA2	3, 7, 8
8EB2 E	9EA3	3, 7, 8
8EB2 M	9EA3	3, 7, 8
6EB3 E	8EB2 E	3
6EB3 E	8EB2 M	3
8EB2 E	6EB2 E	3, 7
8EB2 E	6EB2 M	3, 7
8EB2 M	6EB2 E	3, 7
8EB2 M	6EB2 M	3, 7
8EB2 E	8EB2 E	3, 7, 8
8EB2 E	8EB2 M	3, 7, 8, 9
8EB2 M	8EB2 E	3, 7, 8
8EB2 M	8EB2 M	3, 7, 8, 9
8EB2 E	2LA2	2, 7
8EB2 M	2LA2	2, 7
8EB2 E	2LB2	2, 7
8EB2 M	2LB2	2, 7
8EB2 E	2LC2	2, 7
8EB2 M	2LC2	2, 7
8EB2 E	2LO3	2, 7
8EB2 M	2LO3	2, 7
8EB2 E	2LS2	2, 3, 7, 8
8EB2 M	2LS2	2, 3, 7, 8
8EB2 E	2LS3	2, 3, 7
8EB2 M	2LS3	2, 3, 7
8EB2 E	4LS2	2, 3, 7
8EB2 M	4LS2	2, 3, 7
8EB2 E	6LS2	2, 3, 7
8EB2 M	6LS2	2, 3, 7
8EB2 E	2RV2 T	3, 7
8EB2 M	2RV2 T	3, 7
8EB2 E	4RV2 T	3, 7
8EB2 M	4RV2 T	3, 7
6EB3 E	4SF2	3, 7
8EB2 E	4SF2	2, 3, 7, 8, 9
8EB2 M	4SF2	2, 3, 7, 8, 9
8EB2 E	4SF3	9
8EB2 M	4SF3	9
8EC2	2DY2	3, 7, 8
8EC2	4DY2	3, 7, 8
8EC2	6DY2	3, 7, 8
8EC2	6DY3	3, 7, 8
8EC2	9DY2	3, 7, 8
8EC2	9DY3	3, 7, 8

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

13. Available Facility Interface (FI) Combinations (Cont'd)

8EC2	4EA2 E	3, 7, 8
8EC2	4EA2 M	3, 7, 8
8EC2	6EA2 E	3, 7, 8
8EC2	6EA2 M	3, 7, 8
8EC2	9EA2	3, 7, 8
8EC2	9EA3	3, 7, 8
8EC2	6EB2 E	3, 7, 8
8EC2	6EB2 M	3, 7, 8
8EC2	8EB2 E	3, 7, 8
8EC2	8EB2 M	3, 7, 8
8EC2	4SF2	3, 7, 8
6EX2 A	2GS2	3, 7
6EX2 A	2GS3	3, 7
6EX2 A	4GS2	3, 7
6EX2 A	6GS2	3, 7
6EX2 B	2LA2	2, 7
6EX2 B	2LB2	2, 7
6EX2 B	2LC2	2, 7
6EX2 B	2LO2	1
6EX2 B	2LO3	2, 7
6EX2 B	2LR2	2
6EX2 B	4LR2	2
6EX2 A	2LS2	1, 2, 3, 7
6EX2 A	2LS3	2, 3, 7
6EX2 A	4LS2	2, 3, 7
6EX2 A	6LS2	2, 3, 7
6EX2 A	4SF2	7
6EX2 B	4SF2	1
2GO2	2GS2	1, 3, 7
2GO2	2GS3	3, 7
2GO3	2GS2	1, 3, 7
2GO3	2GS3	3, 7
4GO2	2GS2	1, 3, 7
4GO2	2GS3	3, 7
4GO3	2GS2	1, 3, 7
4GO3	2GS3	3, 7
4GO2	4GS2	3, 7
4GO3	4GS2	3, 7
4GO2	6GS2	3, 7
4GO3	6GS2	3, 7
6GO2	2GS2	1, 3, 7
6GO2	2GS3	3, 7
6GO2	4GS2	3, 7
6GO2	6GS2	3, 7

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

13. Available Facility Interface (FI) Combinations (Cont'd)

4GO2	4SF2	3, 7
4GO3	4SF2	3, 7
6GO2	4SF2	3, 7
2GS2	2GO2	1
2GS3	2GO2	1
4GS2	2GO2	1
4GS3	2GO2	1
6GS2	2GO2	1
2LO2	2LS2	1, 2, 3, 7, 8
2LO2	2LS3	2, 3, 7
2LO3	2LS2	1, 2, 3, 7, 8
2LO3	2LS3	2, 3, 7
4LO2	2LS2	1, 2, 3, 7
4LO2	2LS3	2, 3, 7
4LO3	2LS2	1, 2, 3, 7
4LO3	2LS3	2, 3, 7
4LO2	4LS2	2, 3, 7
4LO3	4LS2	2, 3, 7
4LO2	6LS2	2, 3, 7
4LO3	6LS2	2, 3, 7
6LO2	2LS2	1, 2, 3, 7
6LO2	2LS3	2, 3, 7
6LO2	4LS2	2, 3, 7
6LO2	6LS2	2, 3, 7
4LO2	4SF2	2, 3, 7
4LO3	4SF2	2, 3, 7
6LO2	4SF2	2, 3, 7
2LR2	2LR2	2
2LR3	2LR2	2
4LR2	2LR2	2
4LR3	2LR2	2
4LR2	4LR2	2
4LR3	4LR2	2
4LR2	4SF2	2
4LR3	4SF2	2
2LS2	2LA2	2, 7
2LS3	2LA2	2, 7
4LS2	2LA2	2, 7
4LS3	2LA2	2, 7
6LS2	2LA2	2, 7
2LS2	2LB2	2, 7
2LS32LB2	2, 7	
4LS22LB2	2, 7	
4LS32LB2	2, 7	
6LS2	2LB2	2, 7
2LS2	2LC2	2, 7
2LS3	2LC2	2, 7
4LS22LC2	2, 7	
4LS32LC2	2,7	
6LS2	2LC2	2,7

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

13. Available Facility Interface (FI) Combinations (Cont'd)

2LS2 2LO2	1	
2LS2	2LO3	2,7
2LS3	2LO2	1
2LS3	2LO3	2,7
4LS2	2LO2	1
4LS2	2LO3	2,7
4LS3	2LO2	1
4LS3	2LO3	2,7
6LS2	2LO2	1
6LS2	2LO3	2,7
4LS3	4SF2	2
6LS2	4SF2	2
4NO2	2DA2	6
4NO2	4DA2	6,10,12
4NO2	6DA2	6,10
2NO2	2NO2	1, 2, 5, 7
2NO3	2NO2	1, 2, 5, 7
4NO2	2NO2	1, 2, 5, 7
4NO2	4NO2	1, 2, 5, 6, 7, 9
2RV2 O	2RV2 T	3, 7
4RV2 O	2RV2 T	3, 7
4RV2 O	4RV2 T	3, 7
4RV2 O	4SF2	3, 7
4SF2	2AC2	2
4SF2	4AC2	2
4SF2	4DX2	9
4SF2	4DX3	9
4SF3	4DX2	9
4SF3	4DX3	9
4SF2	2DY2	3, 7, 8
4SF3	2DY2	3, 7, 8
4SF2	4DY2	3, 7, 8
4SF3	4DY2	3, 7, 8
4SF2	6DY2	3, 7, 8
4SF2	6DY3	3, 7, 8
4SF3	6DY2	3, 7, 8
4SF3	6DY3	3, 7, 8
4SF2	9DY2	3, 7, 8
4SF2	9DY3	3, 7, 8
4SF3	9DY2	3, 7, 8
4SF3	9DY3	3, 7, 8
4SF2	4EA2 E	3, 7, 8
4SF2	4EA2 M	3, 7, 8
4SF3	4EA2 E	3, 7, 8
4SF3	4EA2 M	3, 7, 8
4SF2	6EA2 E	3, 7, 8
4SF2	6EA2 M	3, 7, 8, 9
4SF3	6EA2 E	3, 7, 8
4SF3	6EA2 M	3, 7, 8, 9
4SF2	9EA2	3, 7, 8
4SF2	9EA3	3, 7, 8
4SF3	9EA2	3, 7, 8

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

13. Available Facility Interface (FI) Combinations (Cont'd)

4SF3	9EA3	3, 7, 8
4SF2	6EB2 E	3, 7
4SF2	6EB2 M	3, 7
4SF3	6EB2 E	3, 7
4SF3	6EB2 M	3, 7
4SF2	8EB2 E	3, 7, 8
4SF2	8EB2 M	3, 7, 8, 9
4SF3	8EB2 E	3, 7, 8
4SF3	8EB2 M	3, 7, 8, 9
4SF2	2GS2	1, 3, 7
4SF2	2GS3	3, 7
4SF3	2GS2	1, 3, 7
4SF3	2GS3	3, 7
4SF2	4GS2	3, 7
4SF3	4GS2	3, 7
4SF2	6GS2	3, 7
4SF3	6GS2	3, 7
4SF2	2LA2	2, 7
4SF3	2LA2	2, 7
4SF2	2LB2	2, 7
4SF3	2LB2	2, 7
4SF2	2LC2	2, 7
4SF3	2LC2	2, 7
4SF2	2LO2	1
4SF2	2LO3	2, 7
4SF3	2LO2	1
4SF3	2LO3	2, 7
4SF2	2LR2	2
4SF3	2LR2	2
4SF2	4LR2	2
4SF3	4LR2	2
4SF2	2LS2	2, 3, 7, 8
4SF2	2LS3	2, 3, 7
4SF3	2LS2	2, 3, 7, 8
4SF3	2LS3	2, 3, 7
4SF2	4LS2	2, 3, 7
4SF3	4LS2	2, 3, 7
4SF2	6LS2	2, 3, 7
4SF3	6LS2	2, 3, 7
4SF2	2RV2 T	3, 7
4SF3	2RV2 T	3, 7
4SF2	4RV2 T	3, 7
4SF3	4RV2 T	3, 7
4SF2	4SF2	2, 3, 7, 8, 9
4SF2	4SF3	9
4SF3	4SF2	2, 3, 7, 8, 9
4SF3	4SF3	9
2TF3	2TF2	11
4TF2	2TF2	11

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

B. Voice Grade Services (Cont'd)

13. Available Facility Interface (FI) Combinations (Cont'd)

4TF2	4TF2	11

C. Wideband Analog Services[1]

1. Wideband Analog 1 (WA1) Special Access Service

a. Description

Special Access Service WA1 provides a high capacity channel with a bandwidth from 60 kHz to 108 kHz for the transmission of a wideband signal between an IC terminal location and an end user's premises, between IC terminal locations or between an IC terminal location and a Company designated Hub where multiplexing is offered.

b. Illustrative Applications

Special Access Service WA1 is suitable for the transmission of a 12 channel FDM group.

c. Optional Features

Central Office Multiplexing

d. Transmission Performance

Nominal Bandwidth

60 kHz to 108 kHz with pilot slot reserved at 104.08 kHz.

e. Available Facility Interface Combinations

IC	End User
4AH5 B	4AH5 B
4AH6-C[2]	4AH5 B
4AH6-D[2]	4AH5 B

[1] Wideband Analog Services will be rated and provided on an individual case basis and filed in Section I12., Specialized Services or Arrangements.

[2] Available only to ICs selecting the multiplexed four-wire High Capacity Analog facility interface option at the IC terminal location and providing subsequent system and channel assignment data.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

C. Wideband Analog Services (Cont'd)

2. Wideband Analog to Digital (WA1T) Special Access Service[1]

a. Description

Special Access Service WA1T provides two WA1 channels from an IC terminal location for connection to an HC1 Special Access Service at a Company designated Hub location via a group to DS1 multiplexor. The HC1 service may only be extended to another Hub for multiplexing to voice or other service.

b. Illustrative Application

Special Access Service WA1T is suitable for the transmission of 24 FDM channels connected via multiplexing to 24 TDM channels.

c. Optional Features

-Central Office Multiplexing

d. Transmission Performance

Provides two Special Access WA1 channels each with the performance shown for WA1 in 7.2.1 preceding.

3. Wideband Analog 2 (WA2) Special Access Service

a. Description

Special Access Service WA2 provides a high capacity channel with a bandwidth from 312 kHz to 552 kHz for the transmission of a wideband signal between an IC terminal location and an end user's premises, between IC terminal locations or between an IC terminal location and a Company designated Hub where multiplexing is offered.

b. Optional Features

Central Office multiplexing

c. Transmission Performance

Nominal Bandwidth

312 kHz to 552 kHz with pilot slot reserved at 315.92 kHz

d. Available Facility Interface Combinations

IC	End User
4AH6-C	4AH6-C
4AH6-D[2]	4AH6-C[3]

[1] The Access Connection and Special Transport rate elements for WA1 apply for WA1T. Two of each are required.
[2] Available only to ICs selecting the multiplexed 4 wire High Capacity Analog facility interface option at the IC terminal location and providing subsequent system and channel assignment data.
[3] Available only via a Company designated Hub where multiplexing is offered.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

C. Wideband Analog Services (Cont'd)

4. Wideband Analog 2A (WA2A) Special Access Service

a. Description

Special Access Service WA2A provides a high capacity channel with a bandwidth from 564 kHz to 3084 kHz for the transmission of a wideband signal between IC terminal locations or between an IC terminal location and a Company designated Hub where multiplexing is offered.

b. Optional Features

Central Office multiplexing

c. Transmission Performance

Nominal Bandwidth

564 kHz to 3084 kHz with pilot slot reserved at 2840 kHz.

d. Available Facility Interface Combinations

IC	End User[1]
4AH6-D	4AH6-D

5. Wideband Analog 3 (WA3) Special Access Service

a. Description

Special Access Service WA3 provides a channel for the transmission of a wideband signal falling approximately within the 10 Hz to 20 kHz (actually 300 Hz to 18 kHz) frequency band at an end user's premises. The actual frequency range varies and is limited by the interface available at the IC terminal location. Service is provided between an IC terminal location and an end user's premises. A voiceband coordinating channel is provided with this service.

b. Illustrative Applications

Special Access Service WA3 is suitable for use as part of the facilities required to provide facsimile service.

c. Transmission Performance

Nominal Bandwidth

300 Hz to 16 kHz

d. Available Facility Interface Combinations

IC	End User
4WD5-1	4WA5-1
4WD5-2	4WA5-1

[1] See 7.4.5.B. following for explanation.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

C. Wideband Analog Services (Cont'd)

6. Wideband Analog 4 (WA4) Special Access Service

a. Description

Special Access Service WA4 provides a channel with a frequency from approximately 29 kHz to 44 kHz for the transmission of a wideband signal between an IC terminal location and an end user's premises. A voiceband coordinating channel is provided with this service.

b. Illustrative Application

Special Access Service WA4 is suitable for use as part of the facilities required to provide facsimile service.

c. Transmission Performance

Nominal Bandwidth

29 kHz to 44 kHz

d. Available Facility Interface Combinations

IC	End User
4WD5-3	4WA5-2

D. Dedicated Access Line Service (DALS)

1. Description

a. Special Access Dedicated Access Line Service provides a channel for voice frequency transmission capability. The service provides a connection between an end user premises (which for purposes of this Tariff includes Centrex *Type Services* switches) and a Company switching office capable of performing the necessary screening functions for 800 Service, WATS or similar services.

b. Dedicated Access Line Service is provided for either originating calling only or terminating calling only. It is provided with rotary dial or dual tone multifrequency address signaling and either loop start or ground start supervisory signaling (i.e., facility interfaces). The choice of the type of signaling is at the option of the IC.

c. Service is provided as either effective two-wire or effective four-wire transmission paths. Where the Company determines it is necessary to design the service, each transmission path is provided with a standard transmission performance and Data Transmission Parameters as set forth in 7.2.1 following. Non-design parameters will be equivalent to local exchange service parameters. Should the IC experience trouble transmitting data over these transmission paths, the Company will test the lines either independently or cooperating with the IC as appropriate, and take any necessary action to ensure the Data Transmission Parameters set forth in 7.2.1 following are met. The testing will be charged for at the rates set forth in 13.3.5 following for nonscheduled testing.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

D. Dedicated Access Line Service (DALS) (Cont'd)

2. Applications

a. Dedicated Access Line Service is provided only for use with Feature Group C or D Switched Access Service. It is for use at the closed end of an 800 Service or a WATS type service which is not provided to the end user by the Company.

3. Optional Features

a. Two-Wire Improved Voice Transmission Performance (guaranteed performance levels are set forth in (4) (b) following).

b. Four-Wire Improved Voice Transmission Performance (guaranteed performance levels are set forth in (4) (c) following).

c. Certain other features which may be provided in connection with Dedicated Access Line Service are available under the Company's General Subscriber Service Tariff. These are:

(1) End user access to a Company test line

(2) Speed Calling

(3) Remote Call Forwarding

(4) Directory Numbers (with trunk side terminations)

4. Transmission Performance

a. Standard Transmission Performance

Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is +/- 4.0 dB.

Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz is -3.0 dB to +9.0 dB.

C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than:

Route Miles	C Message Noise
less than 50	35 dBrnCO
51 to 100	37 dBrnCO
101 to 200	40 dBrnCO
201 to 400	43 dBrnCO

Echo Path Loss

When provided in association with a two-wire interface, the Echo Path Loss, expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	6.0 dB
SRL	3.0 dB

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

D. Dedicated Access Line Service (DALS) (Cont'd)

4. Transmission Performance (Cont'd)

b. Data Transmission Parameters

Signal to C-Notched Noise Ratio

The minimum Signal-to-C-Notched Noise Ratio is 30 dB.

Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands specified is:

1000 microseconds	604 to 2804 Hz
500 microseconds	1000 to 2404 Hz

Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dBrnCO threshold in 15 minutes is no more than 15 counts.

Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order (R2)	31 dB
Third Order (R3)	34 dB

Phase Jitter

The Phase Jitter over the 4 to 300 Hz frequency band is less than or equal to 7 degrees peak-to-peak.

Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

c. Two-Wire Improved Voice Transmission Performance

Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is -4.0 dB to +4.0 dB.

Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +6.0 dB.

C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than:

Route Miles	C Message Noise
less than 50	35 dBrnCO
51 to 100	37 dBrnCO
101 to 200	40 dBrnCO
201 to 400	43 dBrnCO

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.1 Analog Services (Cont'd)

D. Dedicated Access Line Service (DALS) (Cont'd)

4. Transmission Performance (Cont'd)

c. Two Wire Improved Voice Transmission Performance (Cont'd)

Return Loss

The Return Loss, expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	13.0 dB
SRL	6.0 dB

Four-Wire Improved Voice Transmission Performance

Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is -4.0 dB to +4.0 dB.

Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +6.0 dB.

C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than:

Route Miles	**C Message Noise**
less than 50	35 dBrnCO
51 to 100	37 dBrnCO
101 to 200	40 dBrnCO
201 to 400	43 dBrnCO

Echo Path Loss

The Echo Path Loss, expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	16.0 dB
SRL	11.0 dB

5. Facility Interface (FI) Codes

Dedicated Access Line Service is available with either loop start or ground start facility interfaces at the end user premises. The codes for these are as follows:

2LS2 or 2GS2
4LS2 or 4GS2

6. Application of Rates

See 7.4.5 following, Rate Application Exception Rules, for the application of rates for this service.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.2 Digital Services

A. Wideband Digital Services[1]

1. Wideband Digital 1 (WD1) Special Access Service

a. Description

Special Access Service WD1 provides a channel for the transmission of 19.2 kbps synchronous serial data between an IC terminal location and an end user's premises. Optional arrangements are available for transmission at 18.75 kbps or for transmission of nonsynchronous data with a minimum signal element width of 52 microseconds. A voiceband coordinating channel is provided with this service.

b. Illustrative Applications

The nonsynchronous option is suitable for use as part of the facilities required to provide facsimile transmission.

c. Transmission Performance

Error-Free Seconds

While in service, the monthly average of the error-free seconds will be equal to or greater than 98.75%.

d. Available Facility Interface Combinations

IC	End User
8WB5-19S	12WC6-19
8WB5-18S	12WC6-18
8WB5-19A	10WC6-19

2. Wideband Digital 2 (WD2) Special Access Service

a. Description

Special Access Service WD2 provides a channel for the transmission of 50 kbps synchronous or isochronous serial data between an IC terminal location and an end user's premises. Optional arrangements are available for transmission of synchronous serial data at 40.8 kbps or for transmission of nonsynchronous data with a minimum signal element width of 20 microseconds. An arrangement may also be included to accommodate the nonsimultaneous transmission of signal and supervisory tones between the frequencies of 300 and 3,000 Hz. A voiceband coordinating channel is provided with this service.

b. Illustrative Applications

Special Access Service WD2 is suitable for use as part of the facilities required to provide such services as:

-Fascimile Transmission

c. Transmission Performance

Error-Free Seconds

While in service, the monthly average of the error-free seconds will be equal to or greater than 98.75%.

[1] Wideband Digital Services will be rated and provided on an individual case basis and filed in Section I12., Specialized Services or Arrangements.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.2 Digital Services (Cont'd)

A. Wideband Digital Services (Cont'd)

2. Wideband Digital 2 (WD2) Special Access Service (Cont'd)

d. Available Facility Interface Combinations

IC	End User
8WB5-50S	12WC6-50
8WB5-40S	12WC6-40
8WB5-50A	10WC6-50

3. Wideband Digital 3 (WD3) Special Access Service

a. Description

Special Access Service WD3 provides a channel for the transmission of 230.4 kbps synchronous serial data between an IC terminal location and an end user's premises. Optional arrangements are available for the transmission of nonsynchronous data with a minimum signal element width of 4.3 microseconds. A voiceband coordinating channel is provided with this service.

b. Illustrative Applications

The nonsynchronous option is suitable for use as part of the facilities required to provide facsimile transmission.

c. Transmission Performance

Error-Free Seconds

While in service, 98.75% of the one-second intervals will be error-free 95% of the time.

d. Available Facility Interface Combinations

IC	End User
8WB5-23S	12WC6-23S
8WB5-23A	10WC6-23

4. Wideband Digital 4 (WD4) Special Access Service

a. Description

Special Access Service WD4 provides for the transmission of 56 kbps synchronous serial data between an IC terminal location and an end user's premises. No voiceband coordinating channel is included with this service.

b. Illustrative Applications

Digital Data Off-Net Extension

c. Transmission Performance

Error-Free Seconds

While in service, the monthly average of the error-free seconds will be equal to or greater than 98.75%.

d. Available Facility Interface Combinations

IC	End User
4WB5-64	6DU5-56
4D05	6DU5-56

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.2 Digital Services (Cont'd)

B. Digital Data Access Services

Digital Data Access Services are only available via Company designated Digital Data Hubs.

1. Digital Data Access 1 (DA1) Special Access Service

a. Description

Special Access Service DA1 provides a channel for duplex four-wire transmission capability of serial synchronous data at the 2.4 kbps rate between an IC terminal location and an end user's premises. The service is synchronous with timing provided through the Company's facilities to the end user on the received bit stream.

DA1 is available only between the IC terminal location and locations designated by the Company which are served by digital facilities. All other locations are connectible to the Company designated digital Hub only through an analog off-network extension which is provided as a Voice Grade Service as set forth in 7.2.1 preceding.

Secondary Channel Capability (SCC) is an optional digital transmission path derived from the primary DA1 Digital Data Access Services channel. This derived channel allows network management functions to be performed simultaneously with the normal operation of the basic digital data access channel. This low bit rate diagnostics channel utilizes a portion of the previously unavailable digital data access bit stream for the remote control and test of the network and peripheral devices without taking the network out of service. Special end user provided terminal equipment is necessary to utilize Secondary Channel Capability.

b. Illustrative Applications

Special Access Service DA1 is suitable for use as part of the facilities required to provide such services as:

-Digital Facility - Medium Speed

-Digital Data - 2.4 Kbps

c. Optional Features

-Transfer arrangement

-Central Office bridging capability

d. Transmission Performance

Error-Free Seconds

While in service, the monthly average of the error-free seconds will be equal to or greater than 99.875%.

e. Available Facility Interface Combinations

IC	End User
4DS9-15[1]	6DU5 24
6DU5 24	6DU5 24

[1] Available only to IC's selecting the multiplexed four-wire DSX facility interface option at the IC terminal location and providing subsequent system and channel assignment data.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.2 Digital Services (Cont'd)

B. Digital Data Access Services (Cont'd)

2. Digital Data Access 2 (DA2) Special Access Service

a. Description

Special Access Service DA2 provides a channel for duplex four-wire transmission capability of serial synchronous data at the 4.8 kbps rate between an IC terminal location and an end user's premises. The service is synchronous with timing provided through the Company's facilities to the end user on the received bit stream.

DA2 is available only between the IC terminal location and locations designated by the Company which are served by digital facilities. All other locations are connectible to the Company designated digital Hub only through an analog off-network extension which is provided as a Voice Grade Service as set forth in 7.2.1 preceding.

Secondary Channel Capability (SCC) is an optional digital transmission path derived from the primary DA2 Digital Data Access Services channel. This derived channel allows network management functions to be performed simultaneously with the normal operation of the basic digital data access channel. This low bit rate diagnostics channel utilizes a portion of the previously unavailable digital data access bit stream for the remote control and test of the network and peripheral devices without taking the network out of service. Special end user provided terminal equipment is necessary to utilize Secondary Channel Capability.

b. Illustrative Applications

Special Access Service DA2 is suitable for use as part of the facilities required to provide such services as:

Digital Data - 4.8 kbps

c. Optional Features

Loop transfer arrangement

Central Office bridging capability

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.2 Digital Services (Cont'd)

B. Digital Data Access Services (Cont'd)

2. Digital Data Access 2 (DA2) Special Access Service (Cont'd)

d. Transmission Performance

Error-Free Seconds

While in service, the monthly average of the error-free seconds will be equal to or greater than 99.875%.

e. Available Facility Interface Combinations

IC	End User
4DS9-15[1]	6DU5-48
6DU5-48	6DU5-48

3. Digital Data Access 3 (DA3) Special Access Service

a. Description

Special Access Service DA3 provides a channel for duplex four-wire transmission capability of serial synchronous data at the 9.6 kbps rate between an IC terminal location and an end user's premises. The service is synchronous with timing provided through the Company's facilities to the end user on the received bit stream.

DA3 is available only between the IC terminal location and locations designated by the Company which are served by digital facilities. All other locations are connectible to the Company designated digital Hub only through an analog off-network extension which is provided as a Voice Grade Service as set forth in 7.2.1 preceding.

Secondary Channel Capability (SCC) is an optional digital transmission path derived from the primary DA3 Digital Data Access Services channel. This derived channel allows network management functions to be performed simultaneously with the normal operation of the basic digital data access channel. This low bit rate diagnostics channel utilizes a portion of the previously unavailable digital data access bit stream for the remote control and test of the network and peripheral devices without taking the network out of service. Special end user provided terminal equipment is necessary to utilize Secondary Channel Capability.

b. Illustrative Applications

Special Access Service DA3 is suitable for use as part of the facilities required to provide such services as:

Digital Data - 9.6 kbps

c. Optional Features

Transfer arrangement

Central Office bridging capability

[1] Available only to IC's selecting the multiplexed four-wire DSX facility interface option at the IC terminal location and providing subsequent system and channel assignment data.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.2 Digital Services (Cont'd)

B. Digital Data Access Services (Cont'd)

3. Digital Data Access 3 (DA3) Special Access Service (Cont'd)

d. Transmission Performance

Error-Free Seconds

While in service, the monthly average of the error-free seconds will be equal to or greater than 99.875%.

e. Available Facility Interface Combinations

IC	End User
4DS9-15[1]	6DU5-96
6DU5-96	6DU5-96

4. Digital Data Access 4 (DA4) Special Access Service

a. Description

Special Access Service DA4 provides a channel for duplex four-wire transmission capability of serial synchronous data at the 56 kbps rate between an IC terminal location and an end user's premises. The service is synchronous with timing provided through the Company's facilities to the end user on the received bit stream.

DA4 is available only between the IC terminal location and locations designated by the Company which are served by digital facilities. All other locations are connectible to the Company designated digital Hub only through an analog off-network extension which is provided as a Wideband Digital Service as set forth in 7.2.2 preceding.

Secondary Channel Capability (SCC) is an optional digital transmission path derived from the primary DA4 Digital Data Access Services channel. This derived channel allows network management functions to be performed simultaneously with the normal operation of the basic digital data access channel. This low bit rate diagnostics channel utilizes a portion of the previously unavailable digital data access bit stream for the remote control and test of the network and peripheral devices without taking the network out of service. Special end user provided terminal equipment is necessary to utilize Secondary Channel Capability. Secondary Channel cannot be provided on 56 kbps circuits that require the installation of loop repeater equipment for provision of service.

b. Illustrative Applications

Special Access Service DA4 is suitable for use as part of the facilities required to provide such services as:

Packet Access Line

Packet Switch Trunk

Packet Off-Net Access Line

Digital Facility - Medium Speed

Digital Data - 56 kbps

[1] Available only to ICs selecting the multiplexed four-wire DSX facility interface option at the IC terminal location and providing subsequent system and channel assignment data.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.2 Digital Services (Cont'd)

B. Digital Data Access Services (Cont'd)

4. Digital Data Access 4 (DA4) Special Access Service (Cont'd)

c. Optional Features

-Loop transfer arrangement

-Central Office bridging capability

d. Transmission Performance

Error-Free Seconds

While in service, the monthly average of the error-free seconds will be equal to or greater than 99.875%.

e. Available Facility Interface Combinations

IC	End User
4DS9-15[1]	6DU5-56
6DU5-56	6DU5-56

5. Subrate Multiplexed Digital Data Access 1 (SR1) Special Connector Service[2]

a. Description

Special Access Service SR1 provides the ability to combine up to 20 DA1 Special Access Services into a single channel of an HC1 Special Access Service.

6. Subrate Multiplexed Digital Data Access 2 (SR2) Special Connector Service[2]

a. Description

Special Access Service SR2 provides the ability to combine up to 10 DA2 Special Access Services into a single channel of an HC1 Special Access Service.

7. Subrate Multiplexed Digital Data Access 3 (SR3) Special Access Service[2]

a. Description

Special Access Service SR3 provides the ability to combine up to five DA3 Special Access Services into a single channel of an HC1 Special Access Service.

C. High Capacity Services

1. High Capacity 1 (HC1) Special Access Service

a. Description

Special Access Service HC1 provides a channel for the transmission of nominal 1.544 mbps isochronous serial data between an IC terminal location and an end user's premises, between IC terminal locations, or between an IC terminal location and a Company designated Hub where multiplexing is offered.

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[1] Available only to ICs selecting the multiplexed 4-wire DSX facility interface option at the IC terminal location and providing subsequent system and channel assignment data.

[2] The only rate elements applicable to this service are the Carrier Submultiplexing Unit and the Carrier Multiplexing Plug-Ins per 64 kbps channel.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.2 Digital Services (Cont'd)

C. High Capacity Services (Cont'd)

1. High Capacity 1 (HC1) Special Access Service (Cont'd)

b. Illustrative Applications

Special Access Service HC1 is suitable for use as part of the facilities required to provide such services as:

-1.544 Mbps Access Line

-Digital Service

-3.0 Mbps Access Line

c. Optional Features

-Automatic Protection Switching

-Central Office Multiplexing

d. Transmission Performance

Error-Free Seconds

While in service, 98.75% of the one-second intervals will be error free measured over a continuous 24-hour period.

e. Available Facility Interface Combinations

IC	End User
4DS9-15J	6DU9-A
4DS9-15	6DU9-B
4DS9-15K	6DU9-B
4DS9-15K	6DU9-C
4DS9-31[1]	6DU9-A, B, or C
4DS0-63[1]	6DU9-A, B, or C
4DS6-44[1]	6DU9-A, B, or C
4DS6-27[1]	6DU9-A, B, or C

2. High Capacity 1C (HC1C) Special Access Service

a. Description

Special Access Service HC1C provides a channel for the transmission of nominal 3.152 Mbps isochronous serial data between IC terminal locations or between an IC terminal location and a Company designated Hub where multiplexing is offered.

b. Illustrative Applications

Special Access Service HC1C is suitable for use as part of the facilities required to provide such services as:

-Digital Service - High Speed

[1] Available only to IC's selecting the multiplexed four-wire DSX facility interface option at the IC terminal location and providing subsequent system and channel assignment data.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.2 Digital Services (Cont'd)

C. High Capacity Services (Cont'd)

2. High Capacity 1C (HC1C) Special Access Service (Cont'd)

c. Optional Features

-Central Office Multiplexing

d. Available Facility Interface Combinations

IC	End User[1]
4DS9-31	4DS9-31

3. High Capacity 2 (HC2) Special Access Service[2]

a. Description

Special Access Service HC2 provides a channel for the transmission of nominal 6.312 Mbps isochronous serial data between IC terminal locations or between an IC terminal location and a Company designated Hub where multiplexing is offered.

b. Illustrative Applications

Special Access Service HC2 is suitable for use as part of the facilities required to provide such services as:

-Digital Service - High Speed

c. Optional Features

-Central Office Multiplexing

d. Available Facility Interface Combinations

4. High Capacity 3 (HC3) Special Access Service2

a. Description

IC	End User[1]
4DS0-63	4DS0-63

Special Access Service HC3 provides a channel for the transmission of 44.736 Mbps isochronous serial data between IC terminal locations or between an IC terminal location and a Company designated Hub where multiplexing is offered.

b. Illustrative Applications

Special Access Service HC3 is suitable for use as part of the facilities required to provide such services as:

-Digital Service - High Speed

c. Optional Features

-Central Office Multiplexing

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[1] See 7.4.5.B for explanation.
[2] This service will be rated and provided on an individual case basis and filed in Section I12, Specialized Services and Arrangements.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.2 Digital Services (Cont'd)

C. High Capacity Services (Cont'd)

4. High Capacity 3 (HC3) Special Access Service (Cont'd)

d. Available Facility Interface Combinations

IC	End User[1]
4DS6-44	4DS6-44

5. High Capacity 4 (HC4) Special Access Service[2]

a. Description

Special Access Service HC4 provides a channel for the transmission of 274.176 Mbps isochronous serial data between IC terminal locations or between an IC terminal location and a Company designated Hub where multiplexing is offered.

b. Illustrative Applications

Special Access Service HC4 is suitable for use as part of the facilities required to provide such services as:

-Digital Service - High Speed

c. Optional Features

-Central Office Multiplexing

d. Available Facility Interface Combinations

IC	End User[1]
4DS6 27	4DS6 27

7.2.3 Service Designator/Network Channel Code Conversion Table

The purpose of this table is to show the relationship between the service designator codes (e.g., VG1, NB2, etc.) and the network channel codes that are used for various administrative purposes.

Service Designator Code	Network Channel Code
NB1	NT
NB2	NU
NB3	NV
NB4	NW
NB5	NY
VG1	LB
VG2	LC
VG3	LD
VG4	LE

[1] See 7.4.5.B for explanation.
[2] This service will be rated and provided on an individual case basis and filed in Section I12, Specialized Services and Arrangements.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.2 Technical Service Descriptions for Special Access Service (Cont'd)

7.2.3 Service Designator/Network Channel Code Conversion Table (Cont'd)

Service Designator Code	Network Channel Code
VG5	LF
VG6	LG
VG7	LH
VG8	LJ
VG9	LK
VG10	LN
VG11	LP
VG12	LR
AP1	PE
AP2	PF
AP3	PJ
AP4	PK
WA1	WJ
WA1T	WQ
WA2	WL
WA2A	WR
WA3	WN
WA4	WP
DALS (Standard)	SE
DALS (Improved)	SF
WD1	WB
WD2	WE
WD3	WF
WD4	WH
DA1	XA
DA2	XB
DA3	XG
DA4	XH
SR1	RB
SR2	RC
SR3	RD
HC1	HC
HC1C	HD
HC2	HE
HC3	HF
HC4	HG

7. SPECIAL ACCESS SERVICE (CONT'D)

7.3 Facility Interface Codes

This section explains the facility interface codes set forth in 7.2.1 and 7.2.2 preceding that the IC can specify when ordering Special Access Service. Included is an example which explains the specific characters of the code, a glossary of facility interface codes and impedance levels.

Example: If the IC specifies a 2DC8-3 facility interface at the IC terminal location, it is requesting the following:

2 .....Number of Physical wires at IC terminal location

DC.....Facility interface code for direct current or voltage

8 .....Impedance

3 .....Metallic facilities (DC continuity) for DC/low frequency control signals or slow speed data (30 baud)

7.3.1 Glossary of Facility Interface Codes and Options

Code - Option	Definition
AB	Accepts 20 Hz ringing signal at IC terminal location
AC	Accepts 20 Hz ringing signal at the end user's premises
AH	Analog high capacity interface
- B	60 KHz to 108 KHz (12 channels)
- C	312 KHz to 552 KHz (60 channels)
- D	564 KHz to 3084 KHz (600 channels)
DA	Data stream in VF frequency band at end user network interface
DB	Data stream in VF frequency band at IC point of interface location
-10	VF for NB4 and NB5
DC	Direct current or voltage
-1	Monitoring interface with series RC combination
-2	Company Energized alarm channel
-3	Metallic facilities (DC continuity) for Direct Current/low frequency control signals or slow speed data (30 baud)
DO	Digital interface at IC terminal location at the digital signal level zero A (DS 0A)
DS	Digital hierarchy interface
-15	1.544 Mbps (DS1) format per PUB 41451 plus D4
-15E	8 bit PCM encoded in one 64 kbps of the DS1 signal
-15F	8 bit PCM encoded in two 64 kbps of the DS1 signal
-15G	8 bit PCM encoded in three 64 kbps of the DS1 signal

7. SPECIAL ACCESS SERVICE (CONT'D)

7.3 Facility Interface Codes (Cont'd)

7.3.1 Glossary of Facility Interface Codes and Options (Cont'd)

-15H	14/11 bit PCM encoded in six 64 kbps of the DS1 signal
-15J	1.544 Mbps format per PUB 41451
-15K	1.544 Mbps format per PUB 41451 plus extended framing format
-15L	1.544 Mbps (DS1) with SF signaling
-27	274.176 Mbps (DS4)
-27L	274.176 Mbps (DS4) with SF signaling
-31	3.152 Mbps (DS1C)
-31L	3.152 Mbps (DS1C) with SF signaling
-44	44.736 Mbps (DS3)
-44L	44.736 Mbps (DS3) with SF signaling
-63	6.312 Mbps (DS2)
-63L	6.312 Mbps (DS2) with SF signaling
DU	Digital access interface
-24	2.4 kbps
-48	4.8 kbps
-56	56.0 kbps
-96	9.6 kbps
-A	1.544 Mbps format per PUB 41451
- B	1.544 Mbps format per PUB 41451 plus D4
- C	1.544 Mbps format per PUB 41451 plus extended framing format
DX	Duplex signaling interface at IC point of interface
DY	Duplex signaling interface at end user network interface
EA	Type I, E&M lead signaling.
-E	IC at point of interface or end user at network interface.
- M	IC at point of interface or end user at network interface originating on M Lead.
EB	Type II, E&M lead signaling.
-E	IC at point of interface or end user at network interface originating on M Lead.
EC	Type III, E&M signaling at IC terminal point of interface.
EX	Tandem channel unit signaling for loop start or ground start
-A	IC supplies open end (dial pulsing, etc.) functions.
- B	IC supplies closed end (dial pulsing, etc.) functions.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.3 Facility Interface Codes (Cont'd)

7.3.1 Glossary of Facility Interface Codes and Options (Cont'd)

GO	Ground start loop signaling open end functions by IC or end user
GS	Ground start loop signaling closed end functions by IC or end user
IA	E.I.A. (25 pin RS 232)
LA	End user loop start loop signaling Type A OPS registered port open end
LB	End user loop start loop signaling Type B OPS registered port open end
LC	End user loop start loop signaling Type C OPS registered port open end
LO	Loop start loop signaling open end functions by IC or end user
LR	20 Hz automatic ringdown interface at IC with Company provided PLAR
LS	Loop start loop signaling closed end functions by IC or end user
NO	No signaling interface, transmission only
PG	Program transmission no dc signaling
-1	Nominal frequency from 50 to 15,000 Hz
-3	Nominal frequency from 200 to 3,500 Hz
-5	Nominal frequency from 100 to 5,000 Hz
-8	Nominal frequency from 50 to 8,000 Hz
RV	Reverse battery signaling
0	One way operation, originate at IC
T	Reverse battery signaling, one way operation, terminate function by IC or end user
SF	Single frequency signaling within VF band at either IC point of interface or end user network interface
TF	Telephotograph interface
TT	Telegraph/teletypewriter interface at either IC point of interface or end user network interface
-2	milliamperes
-3	milliamperes
-6	milliamperes
WA	Wideband bandwidth interface at end user network interface
-1	Limited bandwidth
-2	Nominal passband from 29,000 to 44,000 Hz

7. SPECIAL ACCESS SERVICE (CONT'D)

7.3 Facility Interface Codes (Cont'd)

7.3.1 Glossary of Facility Interface Codes and Options (Cont'd)

WB	Wideband data interface at IC point of interface
-18S	bps, synchronous
-19A	Up to 19.2 kbps asynchronous
-19S	kbps synchronous
-23A	Up to 230.4 kbps, asynchronous
-23S	kbps, synchronous
-40S	kbps, synchronous
-50A	Up to 50.0 kbps, asynchronous
-50S	kbps, synchronous
-64	kbps, restored polar
WC	Wideband data interface at end user network interface
-18	bps, synchronous
-19	For 12 wire interface: 19.2 kbps, synchronous
	For 10 wire interface: up to 19.2 kbps, asynchronous
23	Up to 230.4 kbps, asynchronous
23S	kbps, synchronous
40	kbps, synchronous
50	For 12 wire interface: 50.0 kbps, synchronous
	For 10 wire interface: up to 50.0 kbps, asynchronous
WD	Wideband bandwidth interface at IC point of interface
-1	Nominal passband from 300 to 18,000 Hz
-2	Nominal passband from 28,000 to 44,000 Hz
-3	Nominal passband from 29,000 to 44,000 Hz

7.3.2 Impedance

The nominal reference impedance with which the IC or end user will terminate the channel for the purposes of evaluating transmission performance.

Value (ohms)	**Code(s)**
110	0
150	1
600	2
900	3
1200	4
135	5
75	6
124	7
Variable	8
100	9

7.3.3 Digital Hierarchy Facility Interface Codes (4DS9-*)

This facility interface is available only to IC's that select the multiplexed four-wire DSX-1 or higher facility interface option at the IC terminal location and provide subsequent system and channel assignment data.

The various digital bit rates in the digital hierarchy employ the facility interface code 4DS9 plus the speed options indicated below:

Interface Code and Speed Option	**Nominal Bit Rate (Mbps)**	**Digital Hierarchy Level**
4DS9 15	1.544	DS1
4DS9 15L	1.544	DS1
4DS9 31	3.152	DS1C
4DS9 31L	3.152	DS1C
4DS0 63	6.312	DS2
4DS0 63L	6.312	DS2
4DS6 44	44.736	DS3
4DS6 44L	44.736	DS3
4DS6 27	274.176	DS4
4DS6 27L	274.176	DS4

7. SPECIAL ACCESS SERVICE (CONT'D)

7.4 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Special Access Service.

7.4.1 Types of Rates and Charges

A. There are two types of rates and charges. These are monthly rates and nonrecurring charges. In addition, there are three types of nonrecurring charges. These are described as follows:

1. Monthly Rates

Monthly rates are flat recurring charges that apply each month or fraction thereof that a Special Access Service is provided. For billing purposes, each month is considered to have 30 days.

2. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The three types of nonrecurring charges that apply for Special Access Service are:

-Installation of service,

-Installation of feature(s) and/or function(s), and

-Service rearrangements

a. Installation of Service

Nonrecurring charges apply to each service installed. When multiple identical services (i.e., services between the same locations and for the same customer) are ordered and installed at the same time, there is a charge for the first service installed and a lower charge for each additional identical service installed. Nonrecurring charges for the installation of all Services but Dedicated Access Line Service apply per service termination (i.e., IC terminal location and end user's premises). The nonrecurring charge for these services are set forth in the rate schedule with the facility interface combinations in 0.A. following.

The Nonrecurring Charges for Dedicated Access Line Service are associated with the two-wire and four-wire Special Access Lines that are used to provide service and are set forth in 22.4.4. following with the associated Special Access Lines.

In addition, there is a separately stated nonrecurring charge associated with the installation of Voice Grade service, (i.e., VG1-12) which varies by the specific performance desired (e.g., VG2, VG3, etc). These nonrecurring charges, which apply per two point service or each section of a multiple-point service are set forth in the rate schedule in 0.B. following.

b. Installation of Features and Functions

Nonrecurring charges apply for the installation of the various features and functions available with Special Access Service. For some features and functions there is a lower charge if installed coincident with the service and a higher charge if installed subsequent to the service.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

A. (Cont'd)

2. Nonrecurring Charges (Cont'd)

c. Service Rearrangements

(1) Nonrecurring charges apply for service rearrangements. Service rearrangements are changes to existing services that do not result in a change to any of the following: (1) address of the IC terminal location, (2) address of the end users premises, (3) type of service or (4) the WATS or WATS like serving office (for interLATA only Dedicated Access Line Service). Changes of this nature constitute a discontinuance and start of service.

Service Rearrangement Charges are based on the nonrecurring (i.e., installation) charge of the service being changed. Following are the service rearrangements that are allowable for Special Access Service and the appropriate levels of charging.

(2) Service Rearrangements for Services Other Than Dedicated Access Line Service

Type of Change	**Level of Charging**
Change from two wire to four wire or from four wire to two wire	Full nonrecurring charge associated with the facility interface combination for the service being changed
Change in facility interface that does not result in a change to any other rate element (e.g., 2LS2 to 2GS2)	1/2 of the nonrecurring charge associated with the facility interface combination for the service being changed
Change in facility interface that results in changes to other rate element(s), (e.g., 4GS2 to 4DS9 15)	Full nonrecurring charge associated with the facility interface combination for the service being changed

(3) Service Rearrangements for Dedicated Access Line Service

Type of Change	**Level of Charging**
Change from two wire to four wire or from four wire to two wire	Full SAL nonrecurring charge for the SAL being changed to, per service changed
Change in facility interface (i.e., Supervisory signaling) at end user premises (e.g., 2LS2 to 2GS2)	1/2 of the SAL nonrecurring charge, per service changed

(4) In cases where multiple service rearrangements or a move and a service rearrangement are requested on a single order, the total charge (i.e., the Service Rearrangement Charge or the Service Rearrangement Charge and the Move Charge) will never exceed the full nonrecurring charge for the basic service.

d. Transfer of Service

When a change in billing data (e.g., name, address, contact name, or telephone number) is requested in association with a change in the customer of record, transfer of service charges, as set forth in 22.3.3 following will apply. Charges are applied on a Billing Account Number (BAN) and per circuit basis.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.4 Rate Regulations (Cont'd)

7.4.2 Surcharge for Special Access Service

A. General

In addition to the rates and charges described in 7.4.1 preceding, there is a monthly surcharge of $25.00 that applies to the termination of Sub-Voice, Voice Grade and equivalent voice grade Special Access Services (e.g., the surcharge for a group level service would be $300.00 or 12 x $25.00). For Narrowband, Voice Grade and Digital Data Access multipoint services, the surcharge applies for each end user location on the service. This surcharge is to compensate the Company for use of the local exchange network by Special Access Services that are classified as intrastate jurisdiction.

B. Exceptions to the Surcharge Application

Recognizing that not all services can utilize the local exchange network, certain uses of Special Access Service are exempt from the surcharge. Following in a listing of the exempt categories:

1. Any termination of a service that is used for Telex service.
2. Any termination of a service that by nature of its operating characteristics could not make use of common lines. The determination of such usage is made based upon the arrangement at the subscriber's end of the channel.
3. Any termination of a WATS or 800 Service access line.

C. Self-Reporting

In order for the Company to determine the application of the surcharge with respect to specific services, the IC must report the intended use of all services when placing orders for Special Access Service. In addition, when ordering high capacity analog or digital services, the IC must also report the use for each voice equivalent channel of the high capacity service. When any service or channel of a service is reported to be the used in any manner described in B. preceding, the surcharge will not apply. If the intended use is not reported, the Company will automatically bill the appropriate surcharge on each Special Access Service installed.

The Company reserves the right to audit the use of the service at any time. If the service is found to be used for a type of operation other than that reported by the IC, and a surcharge would apply for that type of operation, the Company will notify the IC and will begin to apply the surcharge.

7.4.3 Minimum Periods

Special Access Service is provided for a specified minimum period. The minimum period and the applicable charges for that period are dependent on the interval (i.e., standard negotiated or short notice) under which service is provided.

Minimum periods and minimum period charges are described in detail in 5. preceding.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.4 Rate Regulations (Cont'd)

7.4.4 Moves

A. A move involves a change in the physical location of one of the following:

1. The point of interface at the IC terminal location
2. The IC terminal location
3. The network interface at the end user premises
4. The end user premises
5. The WATS serving office (Dedicated Access Line Service only)

B. The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

1. Moves Within the Same Building

When the move is to a new location within the same building for all services except Dedicated Access Line Service, the charge for the move will be an amount equal to one-half the nonrecurring (i.e., installation) charge for the service termination affected (i.e., the IC terminal location or the end user premises). For Dedicated Access Line Services, the charge for the move will be the amount equal to one-half of the nonrecurring charge of the Special Access Line used to provide the service. There will be no change in the minimum period requirements. If a move is made at the same time a service rearrangement is made, the total charge will never exceed a full nonrecurring charge for the basic service.

2. To a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established at the new location. The IC will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

7.4.5 Rate Application Exception Rules

A. Intra-building Access Services

Intrabuilding cable facilities, provided by the Company to connect two IC terminal locations or an IC terminal location and an end user premises in the same public building, will be rated as an Access Connection and an appropriate facility interface combination. The Special Transport and Special Access Line rate elements will not apply to this type of service, nor will the Special Access Service Surcharge set forth in 7.4.2 preceding apply.

B. IC Terminal Location to IC Terminal Location

When two IC terminal locations are connected together via Special Access Service, the IC will be billed as though the service was connecting an IC terminal location and an end user premises, i.e., Access Connection, Special Transport, Features and Functions (facility interface combination) and Special Access Line. One of the IC terminal locations will be treated as an end user premises.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.4 Rate Regulations (Cont'd)

7.4.5 Rate Application Exception Rules (Cont'd)

C. Dedicated Access Line Service

When interLATA only Dedicated Access Line Service is provided, the only rate elements which apply are Special Access Lines (SAL) between the end user premises and the end office (i.e., WATS or WATS like serving office) and, when the end office is not a WATS or WATS like serving office, Special Transport to extend the SAL to a WATS or WATS like serving office. The nonrecurring charge for this service is that for the Special Access Line. Special Transport charges are not applicable to interexchange carriers providing combined (add-on) WATS/800 or WATS/800-like service.

When extensions of interLATA only Dedicated Access Line Service (i.e., additional terminations of the service at another building in the same or a different LATA) are provided, they are rated in the following manner. Extensions within the LATA are provided as additional Special Access Lines and Special Transport as required. The Special Access Line nonrecurring charge will also apply. Extensions in different LATAs of interLATA only and combined (add-on) WATS/800 and WATS/800-like service are rated as Special Transport (from the extension bridging point to the IC serving wire center), Access Connections and one half of the monthly recurring rates and nonrecurring charges for the appropriate facility interface combination. No Special Access Service Surcharge applies to the extension service. Extensions within the LATA of combined (add-on) WATS/800 and WATS/800-like service are provided and charged to the end user via *the company rates.*Special Access Service

Dedicated Access Line Service, including extensions, will not be charged to interexchange carriers when the end user is charged for the equivalent services *intraLATA WATS/800.*

7.4.6 Mileage Measurement

A. The mileage to be used to determine the monthly rate for the Special Transport is calculated on the airline distance between the serving wire centers involved (i.e., IC serving wire center, Hub serving wire center or end user serving wire center). The V and H coordinates method is used to determine mileage. This method is explained in 10. following. The serving wire center V and H coordinates are also included in that section.

B. Mileage is shown in 1.1.1 following in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V and H coordinates method, then find the band into which the computed mileage falls and apply the rates shown for that band to the actual number of miles. There are two rates that apply for each mileage band, i.e., a flat rate for the band and a rate per mile.

C. When Hubs are involved, mileage rates are computed separately for each section of the Special Transport Mileage, i.e., IC serving wire center to Hub, Hubs to Hub and/or Hubs to end user serving wire center.

7.4.7 Facility Hubs

1. An IC has the option of ordering high capacity analog or digital facilities to a facility Hub for channelizing to individual services requiring lower capacity facilities (e.g., Voice, etc.).
2. The Company will designate the facility Hub locations. Different locations may be designated as Hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. The IC will choose the desired Hub from a list that the Company will make available.
3. Some of the types of multiplexing provided include the following:

   From higher to lower bit rate

   From higher to lower bandwidth

   From digital to Voice Grade Service Special Access Service

7. SPECIAL ACCESS SERVICE (CONT'D)

7.4 Rate Regulations (Cont'd)

7.4.7 Facility Hubs (Cont'd)

4. The transmission performance for the end to end service provided from the IC terminal location to the end user premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps service is multiplexed to voice frequency channels, the transmission performance will be voice grade, not high capacity.
5. The Company will commence billing the monthly rate for the Access Connection and the Special Transport for the high capacity facility to the Hub as soon as it is provided, even though individual services utilizing those facilities may not be ordered and installed until a later date. If the IC has designated the type of multiplexing to be provided, the nonrecurring charge for the multiplexer will be billed to the IC at that time and the billing for the monthly rate will begin.
6. Individual service rates (by service type) will apply for the facility interface combination, the Special Access Line, and additional Special Transport (if required) for each channelized service. These will be billed to the IC as each individual service is installed.

7.4.8 Shared Use Analog and Digital High Capacity Services

Shared use occurs when Special Access Service and Switched Access Service are provided over the same high capacity facilities through a common high capacity interface. This sharing arrangement is available only for existing services. The Special Access Service portion of the shared facilities will be billed at individual service rates (i.e., Voice Grade or Digital Data Access). No multiplexing charge will apply. See also 5.2.7 preceding.

7.4.9 Multijurisdictional WATS Access Line "1+" and "0" IntraLATA Usage

"1+" and "0" intraLATA usage carried over *outward* WATS Access Lines, having both intra and interstate capability (multijurisdictional) and provided from the company's interstate tariff will be completed over LEC facilities at LEC intraLATA *outward* WATS rates and subject to rules and regulations applicable to LEC intraLATA *outward* WATS. The "1 +" and "0" intraLATA usage will be billed to the customer (end user or *IC)* where the closed end of the Multijurisdictional WATS Access Line is terminated. Customer billing information must be provided to the Company at the time the Multijurisdictional WATS Access Line is ordered *when the Company is used to complete intraLATA calls.*

7. SPECIAL ACCESS SERVICE (CONT'D)

7.5 Channel Types

7.5.1 General

A. There are seven types of channels used to provide Special Access Services. Each type has its own characteristics. All are subdivided by one or more of the following:

-Transmission specifications,

-Bandwidth,

-Speed (i.e., bit rate),

-Spectrum

B. ICs can order a basic channel and select from a list of available transmission parameters and channel interfaces those that they desire to meet specific communications requirements.

For purposes of ordering channels, each has been identified as a type of Special Access Service. However, such identification is not intended to limit an IC's use of the channel nor to imply that the channel is limited to a particular use. For example, if an IC's equipment is capable of transmitting voice over a channel that is identified as a Metallic Service in this Tariff, there is no restriction against doing so.

C. Following is a brief description of each type of channel:

Metallic - a channel for the transmission of low speed varying signals at rates up to 30 baud.

Telegraph Grade - a channel for the transmission of binary signals at rates of 0 to 75 baud or 0 to 150 baud.

Voice Grade - a channel for the transmission of analog signals within an approximate bandwidth of 300 to 3000Hz.

Video - a channel for the transmission of standard 525 line 60 field monochrome or National Television Systems Committee color video signal and one or two associated 5 or 15 kHz audio signals. The bandwidth is either 30 Hz to 4.5 MHz or 30 Hz to 6.6 MHz.

Digital Data - a channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6 or 56 kbps.

High Capacity - a channel for the transmission of isochronous serial digital data at rates of 1.544, 3.152, 6.312, 44.736 or 274.176 Mbps.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.5 Channel Types (Cont'd)

7.5.1 General (Cont'd)

D. The IC also has the option of ordering Voice Grade and High Capacity facilities (i.e., 1.544 Mbps, 3.152 Mbps, 6.312 Mbps, 44.736 Mbps and 274.176 Mbps) to Company hubs for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the hubs, as well as the number of individual channels which may be derived from each type of facility are set forth in the following. Additionally, the IC may specify optional features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features and functions available are set forth in 7.7.1 following.

For example, an IC may order a 3.152 Mbps High Capacity channel from an IC designated premises to a Company hub for multiplexing to two 1.544 Mbps channels. The 1.544 Mbps channels may be further multiplexed at the same or a different hub to Voice Grade channels or may be extended to other end user designated premises or hubs. Optional features may be added to either the 1.544 Mbps or the Voice Grade channels.

E. Service Descriptions

For the purpose of ordering, there are seven categories of Special Access Service. These are:

Metallic (MT)

Telegraph Grade (TG)

Video (TV)

Voice (VG)

Digital Data (DA)

High Capacity

F. Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the IC.

G. Customized technical specifications packages will be provided where technically feasible. If the Company determines that the requested parameter specifications are not compatible, the IC will be advised and given the opportunity to change the order.

When a customized channel is ordered the IC will be notified whether Additional Engineering Charges apply. In such cases, the IC will be given an estimate of the hours to be billed before any further action is taken on the order.

H. The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between IC designated premises, between an IC designated premises and a Company hub where bridging or multiplexing functions are performed, between hubs, or between an end user designated premises and a WATS Serving Office.

I. The Company will maintain existing transmission specifications on services installed prior to the effective date of this Tariff, except that existing services with performance specifications exceeding the standards listed in this provision will be maintained at the performance levels specified in this Tariff.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.5 Channel Types (Cont'd)

7.5.2 Service Configurations

There are two types of service configurations over which Special Access Service are provided: two-point service and multipoint service.

A. Two-Point Service

A two-point service connects two IC designated premises, either on a directly connected basis or through a hub where multiplexing functions are performed, or an IC designated premises and a WATS Serving Office (WSO).

Applicable rate elements are:

-Channel Terminations

-Channel Mileage (as applicable)

-Optional Features and Functions (when applicable)

A Special Access Surcharge, as described in Section 7.4.2 preceding may be applicable.

The following diagram depicts a two-point Voice Grade service connecting two IC designated premises (CDP). The service is provided with C-Type conditioning.

Applicable rate elements are:

-Channel Terminations (applicable one (1) per CDP)

-Channel Mileage (1 section, Channel Mileage Facility per mile plus 2 channel Mileage Terminations)

-C-Type Conditioning Optional Feature

B. Multipoint Service

Multipoint service connects three or more end user designated premises through one or more Company hubs. Only certain types of Special Access Service are provided as multipoint service. These are so designated in the descriptions for the appropriate channel.

The channel between hubs (i.e., bridging locations) on a multipoint service is a mid-link. There is no limitation on the number of mid-links available with a multipoint service. However, when more than three mid-links in tandem are provided the quality of the overall service may be degraded.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.5 Channel Types (Cont'd)

7.5.2 Service Configurations (Cont'd)

B Multipoint Service (Cont'd)

Multipoint service utilizing a customized technical specifications package, as set forth in 7.6.1 preceding, will be provided when technically possible. If the Company determines that the requested characteristics for a multipoint service are not compatible, the IC will be advised and given the opportunity to change the order.

Applicable Rate Elements are:

-Channel Terminations (one per IC designated premises)

-Channel Mileage (as applicable between the serving wire center for each IC designated premises and the hub and between hubs).

-Bridging

-Additional Optional Features and Functions (when applicable).

The Special Access Surcharge, as described in Section 7.4.2 preceding, may be applicable.

Example: Voice grade multipoint service connecting four IC designated premises (ICDP) via two IC specified bridging hubs.

Applicable rate elements are:

-Channel Terminations (4 applicable)

-Channel Mileage (4 sections, Channel Mileage Facility per mile plus 2 Channel Mileage Terminations per section)

-Bridging Optional Feature (6 applicable, i.e., each bridge port)

7. SPECIAL ACCESS SERVICE (CONT'D)

7.6 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Special Access.

7.6.1 Rate Categories

There are three basic rate categories which apply to Special Access Service:

-Channel Terminations (described in A. following)

-Channel Mileage (described in B. following)

-Optional Features and Functions (described in C. following)

-Channel Termination

A. The Channel Termination rate category provides for the communications path between an IC designated premises and the serving wire center of that premises. It also provides for the unrecovered portion of inside wire investment assigned to Special Access Service. Included as part of the Channel Termination is a standard channel network interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability is provided as an optional feature as set forth in C. following. One Channel Termination charge applies per IC designated premises at which the channel is terminated. This charge will apply even if the IC designated premises and the serving wire center are collocated in a Company building.

B. Channel Mileage

The Channel Mileage rate category provides for the end office equipment and the transmission facilities between the serving wire centers associated with two IC designated premises, between a serving wire center associated with an IC designated premises and a Company hub or between two Company hubs. Channel Mileage rates are made up of the Channel Mileage Facility rate and the Channel Mileage Termination rate.

1. Channel Mileage Facility

The Channel Mileage facility rate recovers the cost for the transmission path which extends between the Company serving wire centers and/or hub(s) and includes primarily outside plant used to provide the facility.

2. Channel Mileage Termination

The Channel Mileage Termination rate recovers the cost for end office equipment associated with terminating the facility (i.e., basic circuit equipment and terminations at serving wire centers and hubs). The Channel Mileage Termination rate will apply at the serving wire center(s) for each IC designated premises and Company hub where the channel is terminated. If the Channel Mileage is between Company bridging hubs, the Channel Mileage Termination rate will apply per Company designated hub. When the Channel Mileage Facility is zero (i.e., collocated serving wire centers), neither the Channel Mileage Facility rate nor the Channel Mileage Termination rate will apply.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.6 Rate Regulations (Cont'd)

7.6.1 Rate Categories (Cont'd)

C. Optional Features and Functions

The Optional Features and Functions rate category provides for optional features and functions which may be added to a Special Access Service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment, but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element.

Examples of Optional Features and Functions that are available include, but are not limited to, the following:

-Signaling Capability

-Hubbing Functions

-Conditioning

-Transfer Arrangements

A hub is a Company designated serving wire center at which bridging or multiplexing functions are performed. The bridging functions performed are to connect three or more IC designated premises in a multipoint arrangement. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth.

7.6.2 Types of Rates and Charges

There are three types of rates and charges. These are monthly rates, daily rates and nonrecurring charges. The rates and charges are described as follows:

A. Monthly Rates

Monthly rates are recurring rates that apply each month or fraction thereof that a Special Access Service is provided. For billing purposes, each month is considered to have 30 days.

B. Daily Rates

Daily rates are recurring rates that apply to each 24 hour period or fraction thereof that a Video Special Access Service is provided for part-time use. For purposes of applying daily rates, the 24 hour period is not limited to a calendar day

Part-time Video Service provided within a consecutive 30 day period will be charged the daily rate, not to exceed an amount equal to the monthly rate. For each subsequent day or part day, a charge equal to 1/30th of the monthly rate shall apply.

7. SPECIAL ACCESS SERVICE (CONT'D)

7.6 Rate Regulations (Cont'd)

7.6.2 Types of Rates and Charges (Cont'd)

C. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are: installation of service, installation of optional features and functions, and service rearrangements.

1. Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set for each channel type as a nonrecurring charge for the Channel Termination.

2. Installation of Optional Features and Functions

Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Service. The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of the service.

The optional features for which nonrecurring charges apply are:

-Voice Grade Data Capability

-Voice Grade Telephoto Capability

3. Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, as set forth following, or that involve actual physical change to the service.

Changes in the physical location of the point of termination or IC designated premises are moves as set forth in 7.6.3 following.

Changes in the type of Service or Channel Termination which result in a change of the minimum period requirement will be treated as a discontinuance of the service and an installation of a new service.

Changes in ownership or transfer of responsibility from one IC to another will be treated as a discontinuance of the service and an installation of a new service. In the event the change in ownership or transfer of responsibility where there is no change in facilities or arrangements, the change will be treated as an administrative change without charge to the IC.

Administrative changes will be made without charge(s) to the IC. Administrative changes are as follows:

-Change of IC name,

-Change of IC or IC's end user premises address when the change of address is not a result of a physical relocation of equipment,

-Change in billing data (name, address, or contact name or telephone number),

-Change of agency authorization,

-Change of IC circuit identification,

-Change of billing account number,

-Change of IC test line number,

-Change of IC or IC's end user contact name or telephone number, and

-Change of jurisdiction

7. SPECIAL ACCESS SERVICE (CONT'D)

7.6 Rate Regulations (Cont'd)

7.6.2 Types of Rates and Charges (Cont'd)

C Nonrecurring Charges (Cont'd)

3. Service Rearrangements (Cont'd)

All other service rearrangements will be charged for as follows:

-If the change involves the addition of other IC designated premises to an existing multipoint service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added.

-If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.

-If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.

-For all other changes, including the addition of optional feature or function without a separate nonrecurring charge, a charge equal to a channel termination nonrecurring charge will apply. Only one such charge will apply per service, per charge.

7.6.3 Moves

A move involves a change in the physical location of one of the following:

-The Point of Termination at the IC's premises

-The IC's premises

The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

A. Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one half of the nonrecurring (i.e., installation) charge for the service termination affected. There will be no charge in the minimum period requirements.

B. Moves To a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The IC will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

7.6.4 Minimum Periods

The minimum service period for all services except part-time Video services is one month. The minimum service period for part-time Video services is one day (i.e., a continuous 24-hour period, not limited to a calendar day).

8. RESERVED FOR FUTURE USE

9. RESERVED FOR FUTURE USE

10. LATAS AND MILEAGE MEASUREMENT METHODOLOGY

10.1 General

For the purpose of determining airline mileages, vertical and horizontal grid lines have been established across the United States. The spacing between adjacent vertical grid lines and between horizontal grid lines represents a distance of one coordinate unit. This unit is the square root of 0.1, expressed in statute miles. A vertical (V) and a horizontal (H) coordinate is computed for each wire center from its latitude and longitude location by use of appropriate map-projection equations. A pair of V-H coordinates locates a wire center, for determining airline mileages, at a particular intersection of an established vertical grid line with an established horizontal grid line. The distance between any two wire centers is the airline mileage computed as explained in 10.4 following.

10.2 LATAS

10.2.1 LATA Configurations

A LATA is a geographical area in which Access Service is provided.

LATAs and the exchanges contained therein are listed following in alphabetical order.

10.2.2 Asheville

A. The following exchanges are included in the Asheville LATA:

Andrews	Enka-Candler	Marion
Arden	Fairview	Mars Hill
Asheville	Fontana Village	Marshall
	Franklin	Micaville
Barnardsville	Garden City	Murphy
Black Mountain	Glenwood Providence	Old Fort
Brevard	Guntertown	Robbinsville
Bryson City	Hayesville	Saluda
Burnsville	Hendersonville	Sevier
Canton	Highlands	Suit
Cashiers	Hot Springs	Swannanoa
Cherokee	Lake Lure	Sylva
Clyde	Leicester	Waynesville
Cullowhee	Maggie Valley	Weaverville

10. LATAS AND MILEAGE MEASUREMENT METHODOLOGY (CONT'D)

10.2 LATAS (Cont'd)

10.2.3 Charlotte

A. The following exchanges are included in the Charlotte LATA:

Albemarle
Altan
Ansonville
Antioch, S.C.
Badin
Bakersville
Banner Elk
Beech Mountain
Belmont
Bessemer City
Bethlehem
Blowing Rock
Boone
Caroleen
Catawba
Charlotte
Cherryville
China Grove-Landis
Churchland
Claremont
Cleveland
Clover, S.C.
Concord
Cooleemee
Davidson
Denton
Denver
Ellenboro
Forest City
Fort Lawn, S.C.
Fort Mill, S.C.
Gastonia
Goose Creek
Granite Falls
Granite Quarry - Rockwell
Grover
Harmony
Harrisburg
Heath Springs, S.C.
Hemby Bridge
Hickory
Hickory Grove, S.C.
Hildebran
Huntersville
Ijames
Indian Trail
Kannapolis
Kershaw, S.C.
Kings Mountain
Lake Wylie, S.C.
Lancaster, S.C.
Lattimore
Lawndale
Lenoir
Lexington
Lilesville
Lincolnton
Locust
Lowell
Maiden
Marshville
Matthews
Mocksville
Monroe
Mooresville
Morganton
Morven
Mount Holly
Mount Pleasant
Mountain View
New Hope
New London
New Salem
Newland
Newton
Norwood
Oakboro
Peachland-Polkton
Pineville
Reeds
Rock Hill, S.C.
Rutherfordton
Salisbury
Sharon, S.C.
Shelby
Sherrills Ford
South Crowders Creek, S.C.
Southmont
Spruce Pines
Stanley
Statesville
Stony Point
Sugar Grove
Taylorsville
Troutman
Union Grove
Valdese
Wadesboro
Watauga
Waxhaw
Welcome
Wingate
York, S.C.

10. LATAS AND MILEAGE MEASUREMENT METHODOLOGY (CONT'D)

10.2 LATAS (Cont'd)

10.2.4 Fayetteville

A. The following exchanges are included in the Fayetteville LATA:

Abbotsburg
Aberdeen
Bennett
Benson
Beulaville
Bladenboro
Bonlee
Carthage
Chadbourn
Clarkton
Clinton
Coharie
Coleridge
Cypress Creek
Dunn
Elizabethtown
Faison
Fayetteville
Four Oaks
Garland
Goldston
Harrells
Herring
Highfalls
Hollyridge
Jacksonville
Kelly
Kenansville
Lake Waccamaw
Lillington
Lisbon
Maxton
Maysville
Newton Grove
Parkton
Pinebluff
Pinehurst
Pittsboro
Princeton
Raeford
Red Springs
Richlands
Robbins
Rose Hill
Roseboro
Siler City
Six Run
Smithfield
Sneads Ferry
South River
Southern Pines
St. Pauls
Swansboro
Tabor City
Topsail Island
Vass
Wallace
Warsaw
Whispering Pines
White Oak
Whiteville

10. LATAS AND MILEAGE MEASUREMENT METHODOLOGY (CONT'D)

10.2 LATAS (Cont'd)

10.2.5 Greensboro

A. The following exchanges are included in the Greensboro LATA:

Advance
Anderson
Asheboro
Badin Lake
Baldwin
Beulah
Biscoe
Boomer
Boonville
Brooks
Burlington
Candor
Champion
Clingman
Courtney
Creston
Danbury
Dobson
East Bend
Eden
Elkin
Farmer
Forbush
Gibsonville
Glade Creek
Greensboro
Hays
High Point
Hillsdale
Jackson Creek
Julian
Kernersville
King
Lansing
Level Cross
Lewisville
Liberty
Lomax
Madison
Mebane
Monticello
Mount Airy
Mount Gilead
Mulberry
Nathans Creek
North Wilkesboro
Oldtown
Pilot Mountain
Pisgah
Prospect Hill
Quaker Gap
Ramseur
Randleman
Red Brush
Reidsville
Roaring Gap
Roxboro
Ruffin
Rural Hall
Sandy Ridge
Saxapahaw
Scottsville
Seagrove
Shoals
Sparta
Stanleyville
State Road
Stoneville
Summerfield
Thomasville
Timberlake
Troy
Walkertown
Walnut Cove
West End
West Jefferson
Westfield
Winston-Salem
Yadkinville
Yanceyville
Zephyr

10.2.6 Raleigh

The following exchanges are included in the Raleigh LATA

Angier
Apex
Broadway
Cary
Chapel Hill
Clayton
Creedmoor
Durham
Fuquay-Varina
Goldsboro
Grantham
Hillsborough
Knightdale
Mount Olive
Olivia
Raleigh
Sanford
Selma
Wake Forest
Wendell
Zebulon

10. LATAS AND MILEAGE MEASUREMENT METHODOLOGY (CONT'D)

10.2 LATAS (Cont'd)

10.2.7 Rocky Mount

The following exchanges are included in the Rocky Mount LATA

Ahoskie	Havelock	Pollocksville
Atlantic	Henderson	Rich Square
Aulander	Hertford	Roanoke Rapids
Aurora	Jackson	Robersonville
Ayden	Kenly	Rocky Mount
Bailey	Kill Devil Hills	Roxobel
Bath	Kinston	Scotland Neck
Bayboro	La Grange	Seaboard
Beaufort	Lewiston	Shiloh
Belhaven	Littleton	Sidney
Bethel	Louisburg	Snow Hill
Buxton	Lucama	South Mills
Centerville	Mamie	Spring Hope
Coinjock	Manteo	Stantonsburg
Colerain	Marshallberg	Sunbury
Columbia	Morehead City	Swanquarter
Conway	Moss Hill	Tarboro
Creswell	Moyock	Trenton
Edenton	Murfreesboro	Vanceboro
Elizabeth City	Nashville	Warrenton
Elm City	New Bern	Washington
Enfield	Newport	Waves
Englehard	Norlina	Weeksville
Farmville	Ocracoke	Welch
Fountain	Oriental	Weldon
Franklinton	Oxford	Whitakers
Fremont	Pike Road	Williamston
Gatesville	Pinetops	Wilson
Greenville	Pinetown	Windsor
Grifton	Piney Woods	Winton
Halifax	Pink Hill	Woodland
Hamilton	Plymouth	Woodville

10.2.8 Wilmington

The following exchanges are included in the Wilmington LATA:

Acme	Fairmont	Pembroke
Atkinson	Gibson	Rockingham
Boiling Springs Lake	Hamlet	Rowland
Bolivia	Holden Beach	Scotts Hill
	Kelly	Seaside
Burgaw	Laurel Hill	Shallotte
Carolina Beach	Laurinburg	Southport
Castle Hayne	Long Beach	Wagram
Ellerbe	Longwood	Wilmington
Fair Bluff	Lumberton	Wrightsville Beach

10. LATAS AND MILEAGE MEASUREMENT METHODOLOGY (CONT'D)

10.3 Mileage Measurement

10.3.1 General

A. This section contains the information necessary to compute the mileage on which certain Access Service rates are based. The method described here is used for computing the mileage for both Switched and Special Access Service.

B. The rate mileage for Access Service is the airline distance measured between two serving wire centers. The two serving wire centers may be:

1. The IC serving wire center and the end user serving wire center
2. The IC serving wire center and a HUB serving wire center
3. The IC serving wire center and a Bridging serving wire center
4. The IC serving wire center and a point of interconnection with another Company.
5. A HUB serving wire center and an end user serving wire center
6. A Bridging serving wire center and an end user serving wire center, or
7. Two IC serving wire centers.

C. Each serving wire center has a unique set of vertical and horizontal (V & H) coordinates. These coordinates are used for calculating the airline distance between the two serving wire centers.

10.3.2 Mileage Calculation

A. Mileage is calculated as follows:

1. Using the area code (NPA) and the first three digits of the local exchange telephone number (NXX) of each serving wire center, look up the V & H coordinates of the associated serving wire center. These are listed in *the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.*
2. Obtain the difference between the V coordinates. Then obtain the difference between the H coordinates. (The difference is always obtained by subtracting the smaller from the larger.)
3. Square the differences.
4. Add the squares of the two differences.
5. Divide the sum of the squares by 10.
6. Take the square root of the result obtained in 5. The resultant number is the airline miles between the wire centers. (Rounded to next full mile.)

10. LATAS AND MILEAGE MEASUREMENT METHODOLOGY (CONT'D)

10.3 Mileage Measurement (Cont'd)

10.3.3 Example

The mileage between an IC's serving wire center at Newland, North Carolina (Telephone Number 704-733-XXXX) and an end user serving wire center at Lenoir, North Carolina (Telephone Number 704-754-XXXX) is determined as follows:

A. Serving Wire Center Location

Newland, North Carolina (Area code - 704, NXX 733)

Lenoir, North Carolina (Area code - 704, NXX 754)

1. Serving Wire Center

   a. Newland, North Carolina

      (1) V-6599 H-1961

   b. Lenoir, North Carolina

      (1) V-6596 H-1883

B. Differences

1. V-6599 minus V-6596 = 3
2. H-1961 minus H-1883 = 78

C. Differences Squared

1. $3^2 = 9$
2. 2. $78^2 = 6{,}084$

D. Total of Differences

9 + 6,084 = 6,093

E. Total of Differences Divided by 10

6,093 divided by 10 = 609.3

F. Square Root of 609.3 = 24.68

Rounded = 25

The airline distance between Lenoir, North Carolina, and Newland, North Carolina, equals 24.68 miles. The monthly rate for Local Transport or Special Transport would thus be based on the rate for 25 miles.

10. LATAS AND MILEAGE MEASUREMENT METHODOLOGY (CONT'D)

10.3 Mileage Measurement (Cont'd)

10.3.4 Mileage Calculations between Issuing and/or Non-Issuing Telephone Companies

A. LATA to Non-LATA or LATA to LATA

1. General

a. When the provision of Access Service involves a point of interconnection between telephone companies, it may be necessary to develop a ratio for each end of the service from the point of interconnection for determining billable mileage for each company.

b. The rates and charges for an Access Service between a wire center and the point of interconnection are determined by the individual serving telephone company.

c. This is accomplished as follows:

(1) Determine what percent of the total route miles applies to the distance from the point of interconnection to each respective serving wire center.

(2) Determine the billable airline miles between the IC serving wire center and the end office serving wire center as described in 10.3.2 and 10.3.3 preceding.

(3) Apply the percentages derived to the billable airline mileage to determine the pro rata share for each company.

2. Example (Illustrative Only)

The serving wire centers are Rocky Mount, North Carolina, and Pinetown, North Carolina.

Step 1: Determine total route miles.

Rocky Mount to Point of Interconnection	10.0 miles
Pinetown to Point of Interconnection	85.7 miles
Total Route Miles	95.7 miles

Step 2: Determine percent of total route miles.

Rocky Mount to POI 10.0 miles divided by 95.7 miles =	10.4%
Pinetown to POI 85.7 miles divided by 95.7 miles =	89.6%

Step 3: Determine billable airline miles per 10.4.2 and 10.4.3 preceding.

Rocky Mount to Pinetown =	62 miles

Step 4: Apply percentage to billing mileage.

Rocky Mount to POI 10.4% x 62 miles =	6.4 miles
Pinetown to POI 89.6% x 62 miles =	55.6 miles

10.4 Serving Wire Center V and H Coordinate Information

V & H coordinate information associated with each Wire Center in North Carolina, is not provided in the Tariff. For V & H coordinates for Wire Centers located within the State of North Carolina, refer to the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. (NECA), TARIFF F.C.C. NO. 4.

11. SPECIAL FACILITIES ROUTING OF ACCESS SERVICES

11.1 Description of Special Facilities Routing of Access Services

11.1.1 General

A. The services provided under this Tariff are provided over such routes and facilities as the Company may elect. Special Facilities Routing is involved, when, in order to comply with requirements specified by the IC, the Company provides Switched Access Service or Special Access Service in a manner which includes one or more of the following conditions:

1. Diversity

   Where two or more services must be provided over not more than two different physical routes.

2. Avoidance

   Where a service must be provided on a route which avoids specified geographical locations.

3. Cable-Only Facilities

   Certain Voice Grade services are provided on Cable-Only Facilities to meet the particular needs of an IC. Service is provided subject to the availability of cable-only facilities. In the event of service failure, restoration will be made through the use of any available facilities as selected by the Company.

B. Avoidance and Diversity are available on Switched Access Service as set forth in 6. preceding, and Narrowband, Voice Grade and Wideband Analog Special Access Services as set forth in 7.2 preceding. Cable-Only Facilities are available for Switched Access Service as set forth in 6. preceding and Voice Grade Special Access Services as set forth in 7. preceding.

C. In order to avoid the compromise of special routing information, the Company will provide the required routing information for each specially routed service to only the ordering IC. If requested by the IC, this information will be provided when service is installed and prior to any subsequent changes in routing.

D. The rates and charges for Special Facilities Routing of Access Services as set forth in 11.2 following are in addition to all other rates and charges that may be applicable for services provided under other sections of this Tariff.

11.2 Rates and Charges for Special Facilities Routing of Access Services

The rates and charges for Special Facilities Routing of Access Services are as follows:

11.2.1 Diversity

For each service provided in accordance with 11.1.1.A.1 preceding, the rates and charges will be developed on an individual case basis and filed following:

11.2.2 Avoidance

For each service provided in accordance with 11.1.1.A.2 preceding, the rates and charges will be developed on an individual case basis and filed following:

11.2.3 Diversity and Avoidance Combined

For each service provided in accordance with 11.1.1.A.1 and 11.1.1.A.2. preceding, combined, the rates and charges will be developed on an individual case basis and filed following:

11.2.4 Cable-Only Facilities

For each service provided in accordance with 11.1.1.A.3. preceding, the rates and charges will be developed on an individual case basis and filed following:

12. SPECIALIZED SERVICE OR ARRANGEMENTS

12.1 General

12.1.1 Provision of Specialized Service or Arrangements

A. Specialized service or arrangements may be provided by the Company, at the request of an IC, on an individual case basis if such service or arrangements meet the following criteria:

1. The requested service or arrangements are not offered under other sections of this Tariff, except that such service or arrangements may be furnished in lieu of existing tariff offerings for the following services, provided there is reasonable potential for uneconomic bypass of the Company's services:

   a. Section 7 Special Access Service - Entire Section

2. The facilities utilized to provide the requested service or arrangements are of a type normally used by the Company in furnishing its other services.
3. The requested service or arrangements are provided within a LATA.
4. The requested service or arrangements are compatible with other Company services, facilities, and its engineering and maintenance practices.
5. This offering is subject to the availability of the necessary Company personnel and capital resources.
6. Information filed for Special Service Arrangements furnished in lieu of existing tariff offerings shall be received at the Commission's offices at least 15 days before the date upon which the proposed rates are to become effective.

13. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES

13.1 Additional Engineering

Additional engineering is that engineering or engineering consultation requested by the IC as described in 13.1.1 through 22.4.1 following. The Company will notify the IC that additional engineering charges as set forth in 13.1.3 following will apply before any additional engineering is undertaken.

13.1.1 Engineering Consultation

Engineering consultation is the obtaining of technical advice from the Company by the IC not in connection with a specific order, and situations in which the IC requests the Company to provide information or to perform a function which will entail additional engineering by the Company. This does not include inquiries of a short duration where no significant engineering time is required or inquiries associated with IC service forecasts.

13.1.2 Engineering of Connections with Other Telephone Companies

Engineering of connections with other telephone companies, if not Concurring Carriers, is the engineering activity of contacting, coordinating and designing with another telephone company, portions of facilities which connect to facilities provided by another telephone company.

13.1.3 Charges For Additional Engineering

The charges for additional engineering are specified in 22.4.1 following.

13.2 Additional Labor

Additional labor is that requested by the IC on a given service and agreed to by the Company as set forth in 13.2.1 through 13.2.5 following. The Company will notify the IC that additional labor charges as set forth in 22.4.2 following will apply before any additional labor is undertaken.

13.2.1 Overtime Installation

Overtime installation is that Company installation effort outside of regularly scheduled working hours.

13.2.2 Overtime Repair

Overtime repair is that Company maintenance effort performed outside of regularly scheduled working hours.

13.2.3 Stand By

Stand by includes all time in excess of one-half (1/2) hour during which Company personnel stand by to make installation acceptance tests or cooperative tests with an IC to verify facility repair on a given service.

13.2.4 Testing and Maintenance with Other Telephone Companies

Additional testing, maintenance or repair of facilities which connect to facilities of other telephone companies, if they are not Concurring Carriers, is in addition to normal effort required to test, maintain or repair facilities provided solely by the Company.

13.2.5 Other Labor

Other Labor is that additional labor not included in 13.2.1 through 13.2.4 preceding.

13. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES (CONT'D)

13.3 MISCELLANEOUS SERVICES

13.3.1 Maintenance of Service

A. When an IC or End User reports a trouble to the Company, and requests that the Company clear the trouble, the IC shall be responsible for payment of a maintenance of service charge when:

1. The trouble is found to be in the equipment or communications systems provided by other than the Company or
2. The trouble is not found to be in the Company's facilities.

B. In either case, no credit allowance will be applicable for the interruption involved.

C. Prior to taking any action, the Company will advise the IC or End User that it will be responsible for payment of maintenance of service charges should either of the conditions in A. preceding apply.

13.3.2 Restoration Priority

A. The Company will arrange a Special Access Service for Restoration Priority on receipt of certification in conformance with Part 64, Subpart D, Appendix A of the Federal Communication Commission's Rules and Regulations.

1. A charge applies when a request to provide or change a Restoration Priority is received subsequent to the issuance of an Access Order to install the service. No charge applies when a Restoration Priority is discontinued.

13.3.3 Presubscription

A. Presubscription is an arrangement whereby an end user may select and designate to the Company an IC to access, without an access code, for InterLATA calls. This IC is referred to as the End User's pre-designated IC. An intraLATA call dialed without a 101XXXX prefix will be handled by the Company.

B. On the effective date of this Tariff, all existing End Users will have Access Service to Company as their pre-designated IC. Within 6 months after the introduction of Feature Group D in a serving end office, End Users may select one of the following options at no charge. Thereafter, a nonrecurring charge, as set forth in D. following, applies for any change in Presubscription.

1. Designate another IC as Predesignated IC and dial 101XXXX, or other access codes to reach all other ICs.
2. Designate that they do not want to be presubscribed to any IC and choose to dial 101XXXX, or other access codes for all calls for all ICs, including Company.

C. New end users will be asked to presubscribe to an IC at the time they place an order with the Company for Telephone Exchange Service. They may select either of the following options. There will be no charge for this initial selection.

1. Designate an IC as predesignated IC, and dial 101XXXX, or other access codes to reach all other ICs.
2. Designate there is to be no Presubscription to any IC and choose to dial 101XXXX, or other access codes to all ICs.

Subsequent to the installation of telephone exchange service, a nonrecurring charge as set forth in D. following, applies for any change in Presubscription.

13. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES (CONT'D)

13.3 MISCELLANEOUS SERVICES (Cont'd)

13.3.4 Standard Jacks - Registration Program

A. Provision of Standard Jacks

Standard jacks are provided by the Company to connect Registered Equipment to those services that are subject to the Registration Program as set forth in 2.5 preceding. The use of jacks is covered in Part 68 of the FCC's Rules and Regulations. Specific jacks are described in the document on file with the FCC entitled "Descriptions of Standard Registration Program Connection Configurations Supplementing Configurations Described in Subpart F of Part 68 of the FCC's Rules and Regulations".

B. Use of Standard Jacks

These jacks are used to terminate services provided by the Company. Other Services or Facilities provided by the Company or by others may also be terminated in any spare capacity of the arrangements remaining after installation without additional charge for the use of such capacity.

C. Rates and Charges

The rates and charges for standard jacks are provided in the Company's general subscriber service tariff(s).

This charge is billed to the end user which is the subscriber to the telephone exchange service.

This charge is billed when the pre-designated IC is an intrastate IC. If the IC is an interstate/intrastate carrier then this rate will apply in lieu of the same rate in the appropriate interstate tariff.

13. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES (CONT'D)

13.3 MISCELLANEOUS SERVICES (Cont'd)

13.3.5 Testing Services

A. The Company will, in addition to any IC requested acceptance testing, perform such tests as it believes necessary to insure that the access services ordered by an IC are functioning properly prior to turning over such access services to the IC. In addition, the Company, as part of the ongoing work to maintain the continued satisfactory performance of the access services ordered by the IC, may perform periodic tests.

B. Testing Services offered under this section of the Tariff are in addition to the tests described above and will be provided when requested by the IC, except for scheduled testing of Feature Groups C and D, which is not optional. Testing services are normally provided by Company personnel at Company locations. However, provisions are made in D.6. and E.2. following for an IC to request Company personnel to perform testing services at the IC terminal location or the end user's premises. In addition, the Company will, at the request of the IC, perform acceptance testing with the IC in accordance with the provisions in 6. and 7. preceding.

C. The offering of Testing Services under this section of the Tariff is made subject to the availability of the necessary qualified personnel and test equipment at the various test locations mentioned in D., E., and F. following:

D. Switched Access Service

1. Categories of Tests

Testing Services for Switched Access are comprised of (a) tests which are performed during the installation of a Switched Access Service, and (b) tests which are performed after acceptance of such access services by an IC, i.e., in-service tests. These in-service tests may be further divided into two broad categories of tests: scheduled and nonscheduled.

a. Scheduled Tests

Scheduled tests are those tests performed by the Company on a regular basis, e.g., monthly, which result in the measurement of Switched Access Service. Scheduled tests may be done on an automatic basis (no Company or IC technicians involved), or a cooperative basis (Company technicians involved at Company offices and IC technicians involved at the IC's terminal location), or a manual basis (Company technician involved at Company offices and at the IC's terminal location).

b. Nonscheduled Tests

Nonscheduled tests are tests performed by the Company "on demand", and which result in the measurement of Switched Access Services. Nonscheduled tests may involve Company technicians at Company offices and at the IC's terminal location.

13. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES (CONT'D)

13.3 MISCELLANEOUS SERVICES (Cont'd)

13.3.5 Testing Services (Cont'd)

D. Switched Access Service (Cont'd)

2. Additional Cooperative Acceptance Testing

a. Additional Cooperative Acceptance Testing (ACAT) of Switched Access Service involves the Company provision of a technician at its office(s) and the IC provision of a technician at its terminal location(s), with suitable test equipment to perform the required tests.

b. Additional Cooperative Acceptance Tests, may e.g., consist of the following tests:

C-Notched Noise
Impulse Noise
Phase Jitter
Signal To C-Notched Noise Ratio
Intermodulation (Nonlinear) Distortion
Frequency Shift (Offset)
Envelope Delay Distortion
Dial Pulse Percent Break

3. Automatic Scheduled Testing

a. Automatic Scheduled Testing (AST) of Switched Access Services (Feature Groups B, C and D), where the IC provides remote office test lines and 105 test lines with associated responders or their functional equivalent, will consist of monthly loss and C-message noise tests and annual balance tests.

However, the IC may specify a more frequent schedule of tests. In addition to the loss/noise/balance tests, the IC may also order, at additional charges, gain-slope, and C-notched noise testing.

b. With Feature Group B Switched Access Service, AST is only provided to ICs who order it, i.e., AST is optional.[1] However, with Feature Groups C and D, AST is nonoptional,[2] and ICs with these Switched Access Services will be required to pay for AST, whether or not they have ordered it.

c. The Company will provide a monthly AST report that lists the test results for each trunk tested.[3]

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[1] If demand for Feature Group B grows significantly, it will be necessary at some future date to provide AST with Feature Group B on a nonoptional basis.
[2] With Feature Group C, where AST is not available in a Company office, Cooperative Scheduled Testing will be provided on a nonoptional basis. With Feature Group D, CST or Manual Scheduled Testing may be specified by the IC in lieu of AST. Trunks from a Company digital switch (e.g., 4E, 5E or DMS) to an IC digital switch utilizing digital facilities are excluded from mandatory routine testing.
[3] Trunk test failures requiring IC participation for trouble resolution will be provided to the IC on an as occurs basis.

13. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES (CONT'D)

13.3 MISCELLANEOUS SERVICES (Cont'd)

13.3.5 Testing Services (Cont'd)

D. Switched Access Service (Cont'd)

4. Cooperative Scheduled Testing

a. Cooperative Scheduled Testing (CST) of Switched Access Services (Feature Groups B, C and D and Directory Access Service not routed through an access tandem), where the Company provides a technician at its office(s) and the IC provides a technician at its terminal location(s) with suitable test equipment to perform the required tests, will consist of quarterly loss and C-message noise tests and annual balance tests. However, the IC may specify a more frequent schedule of tests. In addition to the loss/noise/ balance measurements, the IC may also order, at additional charges, gain-slope, C-notched noise testing.

If demand for Feature Group B grows significantly, it will be necessary at some future date to provide AST with Feature Group B on a nonoptional basis.

With Feature Group C, where AST is not available in a Company office, Cooperative Scheduled Testing will be provided on a nonoptional basis. With Feature Group D, CST or Manual Scheduled Testing may be specified by the IC in lieu of AST. Trunks from a Company digital switch (e.g., 4E, 5E or DMS) to an IC digital switch utilizing digital facilities are excluded from mandatory routine testing.

Trunk test failures requiring IC participation for trouble resolution will be provided to the IC on an as-occurs basis.

b. With Feature Group B Switched Access Service, CST is only provided to ICs who order it, i.e., CST is optional.[1] However, with Feature Groups C and D, CST may be provided as an alternative to the nonoptional AST.[2]

c. The Company will provide, on a quarterly basis, a CST report that lists the test results for each trunk tested.

5. Manual Scheduled Testing

a. Manual Scheduled Testing (MST) of Switched Access Services (Feature Groups B, and D and Directory Access Service not routedthrough an access tandem), where the Company provides a technician at its offices(s) and at the IC terminal location, will consist of quarterly loss and C-message noise tests and annual balance tests. However, the IC may specify a more frequent schedule of tests. In addition to the loss/noise/balance tests, the IC may also order, at additional charges, gain-slope, C-notched noise testing.

b. With Feature Group B Switched Access Service, MST is only provided to ICs who order it, i.e., MST optional.[1] However, with Feature Group D, MST may be provided as an alternative to the nonoptional AST.[2]

c. The Company will provide, on a quarterly basis, a MST report that lists the test results for each trunk tested.[3]

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[1] If demand for Feature Group B grows significantly, it will be necessary at some future date to provide AST with Feature Group B on a nonoptional basis. When, and if, this becomes necessary, the IC may order CST or MST in lieu of AST.
[2] Trunks from a Company digital switch (e.g., 4E, 5E or DMS10) to an IC digital switch utilizing digital facilities are excluded from mandatory routine testing.
[3] Trunk test failures requiring IC participation for trouble resolution will be provided to the IC on an as occurs basis.

13. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES (CONT'D)

13.3 MISCELLANEOUS SERVICES (Cont'd)

13.3.5 Testing Services (Cont'd)

D. Switched Access Service (Cont'd)

6. Nonscheduled Testing

a. Nonscheduled Testing (NST) of Switched Access Services is where:

(1) The IC provides remote office test lines and 105 test lines with associated responders or their functional equivalent ("automatic testing"), or

(2) The Company provides a technician at its office(s) and the IC provides a technician at its terminal location(s), with suitable test equipment to perform the required tests ("cooperative testing"), or

(3) The Company provides a technician at its office(s) and at the IC's terminal location(s) or End User's premises, with suitable test equipment to perform the required tests ("manual testing").

b. Nonscheduled Tests, may consist of any tests, e.g., loss, noise, slope, envelope delay, which the IC may require.

If demand for Feature Group B grows significantly, it will be necessary at some future date to provide AST with Feature Group B on a nonoptional basis. When, and if, this becomes necessary, the IC may order CST or MST in lieu of AST.

Trunks from a Company digital switch (e.g., 4E, 5E or DMS10) to an IC digital switch utilizing digital facilities are excluded from mandatory routine testing.

Trunk test failures requiring IC participation for trouble resolution will be provided to the IC on an as-occurs basis.

13. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES (CONT'D)

13.3 MISCELLANEOUS SERVICES (Cont'd)

13.3.5 Testing Services (Cont'd)

D. Switched Access Service (Cont'd)

7. Obligations of the IC

a. The IC shall provide the Remote Office Test Line priming data to the Company, as appropriate, to support AST as set forth in 13.3.5.3. preceding or NST as set forth in 13.3.5.3.D.6. preceding.

b. The IC shall make the facilities to be tested available to the Company at times mutually agreed upon.

E. Special Access Service

The Company will, at the request of an IC, provide assistance in performing specific tests requested by the IC.

1. Additional Cooperative Acceptance Testing (ACAT)

When an IC provides a technician at its terminal location or its end user's premises, with suitable test equipment to perform the required tests, the Company will provide a technician at its office for the purpose of conducting Additional Cooperative Acceptance Testing. At the IC's request, the Company will provide a technician at the IC terminal location or at the end user's premises. These tests may, e.g., consist of the following:

a. VG1 through VG3: Attenuation Distortion, C-Message Noise and Return Loss (Balance)

b. VG6 through VG 12: Attenuation Distortion, C-Message Noise, Return Loss (Balance), Impulse Noise, Phase Jitter, Intermodulation Distortion, Envelope Delay Distortion and Frequency Shift.

2. Nonscheduled Testing (NST)

When an IC provides a technician at its terminal location or at the end user's premises, with suitable test equipment to perform the required tests, the Company will provide a technician at its office for the purpose of conducting Nonscheduled Testing. At the IC's request, the Company will provide a technician at the IC terminal location or at the end user's premises. Nonscheduled Tests, may consist of any tests, e.g., loss, noise, slope, envelope delay, which the IC may require.

3. Obligation of the IC

When the IC subscribes to Testing Service as set forth in this section, the IC shall make the facilities to be tested available to the Company at times mutually agreed upon.

13.3.6 Provision of Access Service Billing Information

A. The IC will receive its monthly bills in a standard paper format.

B. At the option of the IC, and for an additional charge:

1. Additional copies of the IC monthly bill or service and features record may be provided in standard paper or electronic format.

C. Upon acceptance by the Company of an order for data transmission, the Company will determine the period of time to implement the transmission of such material on an individual order basis.

13.3.7 Protective Connecting Arrangements

A. See the Company's general subscriber service tariff(s), for Rates and Regulations.

13. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES (CONT'D)

13.3 MISCELLANEOUS SERVICES (Cont'd)

13.3.8 800 Number Service

800 Number Service is a Company-provided service associated with 800 Access Ten Digit Screening Service which provides for the assignment and administration of ten digit 800 number(s), (i.e., 800+NXX+XXXX). 800 Access Ten Digit Screening Service requires the customer's subscription to the basic 800 Number Service, following, or as an alternative the provision of those services by other local responsible organizations or through direct access by the customer to the Service Management System. Optional features may be subscribed to in the same manner.

The 800 Number Service customer is responsible for making the necessary arrangements with 800 Service providers to accept the 800 number or POTS number for transport.

Additionally, 800 Number Service does not include the provision of a facility over which to terminate the 800 calls (e.g., WATS Access Line, Exchange Access Line, etc.). Charges, as set forth in D. following, will apply for each 800 number established with 800 Number Service, except that when the Company establishes service to the end user for Open 800 or Combined 800 Service, associated 800 Number Service charges are not applicable to the IC who is offering the interLATA portion of these services.

800 Number Service consists of the following basic service features, optional service features, and optional call handling and destination features.

A. Basic Service Features

1. 800 Number Assignment and Administration

   800 Number Service provides for the assignment of ten digit 800 number(s) (i.e., 800+NXX+XXXX) to the 800 Number Service customer. The Company will select the 800 number(s) to be assigned to the 800 Number Service customer unless the 800 Number Service end user requests a specific 800 number. If the requested number is available, the Company will make a reasonable effort to comply with the 800 Number Service customer's request for the specific 800 number, in accordance with the Ten Digit 800 Service Number Administration Guidelines.

2. IntraLATA and InterLATA Carrier Selection The 800 Number Service customer must designate the intraLATA carrier and/or the interLATA carrier(s), as applicable, that will transport the 800 number or POTS number. The 800 Number Service customer is responsible for arranging for the transport service and delivery of the 800 Service calls.

   The selection of one interLATA carrier and one intraLATA carrier is provided at no additional charge with the initial order for service. As an optional feature, the customer may subscribe to the Multiple Carrier Routing feature for which multiple carriers may be selected.

3. Area of Service

   Area of Service is defined as the geographical area from which calls to a particular 800 number may be received. The standard area of service provided with 800 Access Ten Digit Screening Service is the entire state. Customers may specify other levels of area of service with the Customer Area of Service feature.

   The Area of Service will be limited to that geographical area(s) served by those access service providers (e.g., Exchange Telephone Companies) that offer ten digit screening of 800 calls and also participate in the Ten Digit 800 Service Number Administration guidelines. The Area of Service may also be limited to certain geographical areas depending on access serving arrangements ordered by the access service customer.

13. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES (CONT'D)

13.3 MISCELLANEOUS SERVICES (Cont'd)

13.3.8 800 Number Service (Cont'd)

A Basic Service Features (Cont'd)

3. Area of Service (Cont'd)

The 800 Service provider is responsible for ensuring that appropriate traffic capacity is provided to accept such 800 dialed calls (i.e., where 800 Access Ten Digit Screening Service has been provisioned as set forth in 6.2.5 preceding) from within the portion of the defined Area of Service served by the Company.

B. Optional Service Features

Various service options are available to the 800 Number Service customer as part of, or in association with, 800 Number Service.

1. 800 Number Reservation

800 Number Reservation allows for an 800 Number Service customer to reserve numbers in advance of placing an order for 800 Number Service. Reserved 800 number(s) will be maintained in a reserved status for a period not to exceed sixty calendar days from the date the ASR is received. The 800 Number Service customer may request activation of any or all of the reserved numbers during the sixty day period. Activation is accomplished when the number is placed in the working status, at which time the 800 Number Service customer is responsible for providing the ordering information described in 5.2.1 preceding for 800 Number Service.

Reserved 800 numbers for which an ASR to activate is not received during the sixty day period will be removed from the reserved status on the sixty-first day following the 800 Number Service customer's original reservation date.

Charges, as set forth in D. following, will apply for each 800 number reserved.

2. POTS Number Delivery

The 800 Number Service customer may specify whether delivery of the POTS Number as opposed to the 800 Number is desired. If required, the terminating POTS number (NPA+NXX+XXXX) will be delivered in place of the dialed 800 number (800+NXX+XXXX). When the POTS number is to be forwarded, the 800 Number Service customer must provide to the Company the full ten digit POTS number to be associated with the 800 number.

3. Customized Area of Service

The Customized Area of Service option provides for a unique customer-defined geographic area from which calls to a particular 800 number may be received. The customer may define a specific Area of Service in terms of LATA(s), NPA(s), or combination thereof.

The Customized Area of Service will be limited to the geographical area(s) served by those access service providers (e.g., Exchange Telephone Companies) that offer ten digit screening of 800 calls and also participate in the Ten Digit 800 Service Number Administration Guidelines. The Area of Service may also be limited to certain geographical areas depending on serving arrangements ordered by the access service customer.

The 800 Service provider is responsible for ensuring that appropriate traffic capacity is provided to accept such 800 dialed calls (i.e., where 800 Access Ten Digit Screening Service has been provisioned as set forth in 6.2.5 preceding) from within the portion of the defined Area of Service served by the Company.

13. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES (CONT'D)

13.3 MISCELLANEOUS SERVICES (Cont'd)

13.3.8 800 Number Service (Cont'd)

B. Optional Service Features (Cont'd)

4. Multiple Carrier Routing

The Multiple Carrier Routing option allows the 800 Number Service customer to specify the use of different carriers for transport of 800 number or POTS number traffic within an area of service.

C. Call Handling and Destination Features

A number of optional call handling and destination features are available to the 800 Number Service customer. The customer is responsible for insuring the compatibility of any combination of features selected. The optional features are as follows.

1. Time of Day Routing

Time of Day Routing provides 800 Service subscribers with the ability to distribute calls to different locations based on the specific hour of day a call is placed. Customers may make selections in fifteen minute increments but must account for a complete twenty-four hour period.

2. Day of Week Routing

Day of Week Routing allows 800 Service subscribers to distribute calls to a number of answering locations based on the day of week a call is placed. Calls can be directed for a single day or in groups of days. However, the customer's specifications must account for a seven-day week.

3. Specific Date Routing

Specific Date Routing provides 800 Service subscribers the capability of distributing 800 calls to different locations based on the day of the year the call is placed.

4. Allocation By Percentage

This feature provides 800 Service subscribers the ability to distribute 800 service calls to more than one location, by specifying the percentage of calls to be directed to each location. Distribution percentages may be selected in gradations as small as one percent for a total of one hundred percent. This feature also provides 800 Service subscribers the ability to select multiple carriers to transport their 800 traffic based on percentage allocations.

5. Ten Digit Node Routing

Ten Digit Node routing provides 800 Service subscribers the capability to route calls to preselected destinations based on the originating ten digit number(s). 800 calls from other than the preselected originating ten digit numbers will be blocked. This feature is available only where ten digit ANI is provided.

13. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES (CONT'D)

13.3 MISCELLANEOUS SERVICES (Cont'd)

13.3.8 800 Number Service (Cont'd)

D. 800 Number Service

1. 800 Number Reservation Charge

   A nonrecurring charge applies for the reservation of an 800 Number. There are two levels of nonrecurring charges. A nonrecurring 800 Number Reservation Charge applies to the IC for the first reserved 800 number submitted on an Access Service Request (ASR), and a separate nonrecurring 800 Number Reservation Charge applies for each additional reserved 800 number submitted on the same or related ASR. Related ASRs must be received on the same business day.

2. 800 Number Establishment Charge

   800 numbers can be established for use with 800 Number Delivery or POTS Number Delivery. There are two levels of nonrecurring charges applicable to each. A nonrecurring 800 Number Establishment Charge applies for the first 800 number submitted on an Access Service Request (ASR), and a separate nonrecurring 800 Number Establishment Charge applies for each additional 800 number submitted on the same or related ASR. Related ASRs must be received on the same business day.

3. 800 Number Service Change Charge

   An 800 Number Service Change Charge applies for IC requested changes associated with an 800 number, subsequent to the initial establishment of that 800 number. There are two levels of nonrecurring charges. A nonrecurring 800 Number Service Change Charge applies for the first 800 Number for which associated changes are being made affecting that number, submitted on an ASR. A separate nonrecurring 800 Number Service Change Charge applies for each additional 800 Number for which associated changes are being made affecting that number, submitted on the same or related ASR. Related ASRs must be received on the same business day.

4. Customized Area of Service

   Nonrecurring charges apply for the provision of the Customized Area of Service option. The charges are applied on a First and Additional basis. First and additional installation charge treatment is applied to Customized Area of Service requests submitted on the same or related ASRs. Related ASRs must be received on the same business day.

5. Multiple Carrier Routing

   Nonrecurring charges apply for the provision of the Multiple Carrier Routing option. The charges are applied on a First and Additional basis. First and additional installation charge treatment is applied to Multiple Carrier requests submitted on the same or related ASRs. Related ASRs must be received on the same business day.

6. Call Handling and Destination Features

   A nonrecurring charge is applicable for the provision of any combination of the Call Handling and Destination Features defined in C. preceding, requested on the same Access Service Request.

13. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES (CONT'D)

13.3 MISCELLANEOUS SERVICES (Cont'd)

13.3.9 Equal Access Subscription

A. Description

1. Equal Access Subscription

Equal Access Subscription is a procedure whereby an end user for Telephone Exchange Service lines and/or trunks or the location provider or its authorized agent of pay telephones may select and designate to the Company an IC to access for intraLATA toll calls without dialing an access code. The end user or location provider or its authorized agent may designate an IC for intraLATA toll, a different IC for interLATA toll, or the same IC for both. This IC is referred to as the end user's or pay telephone locations provider's or its authorized agent's preferred IC and is defined by a unique Carrier Identification Code (CIC) shown on the customer service record.

Should a customer wish to use other services of the same or another IC, it will be necessary for the customer to dial the necessary access code(s) to reach that IC's other service(s).

For Independent pay phone providers subscribing to Coin Control service, the IC designated as the preferred IC for 0+ intraLATA toll traffic may direct the routing of 1+ intraLATA toll calls either to itself or another IC (transport carrier), without dialing of an access code, subject to provisions set forth following. The option chosen by the IC will apply to all pay telephones provided from all end offices subtending an access tandem which are subscribed to that IC.

The IC shall submit an order for all end offices subtending an access tandem indicating whether 1+ intraLATA toll traffic from its subscribed pay telephones shall be routed to itself (as direct IC) or to another IC (as transport carrier). Recordings with alternate dialing instructions are not acceptable. If calls are to be routed to a transport IC, the 0+ IC must provide written authorization certifying that the order is being submitted pursuant to an agreement with the transport carrier. Only one transport carrier may be indicated for each access tandem.

B. Confirmations/Verification of Choice of IC

ICs should request confirmations/verification of choice from their customers no later than the date of submission of their first bill to the customer. ICs should maintain the signed letters of agency or confirmations of choice on file for use in dispute resolution. Letters of agency must clearly designate confirmation/verification of choice of IC for an intraLATA subscribed line or trunk.

1. Verification of Orders for Long Distance

No IC shall submit to the Company a primary or preferred interexchange carrier (PIC) change order unless and until the order has first been confirmed in accordance with one of the following procedures:

a. The IC has obtained the customer's written authorization to submit the order that explains what occurs when a PIC is changed and confirms:

-the customer's billing name and address and each telephone number to be covered by the PIC change order;

-the decision to change the PIC to the IC; and

-the customer's understanding of the PIC change fee; or

b. The IC has obtained the customer's electronic authorization, placed from the telephone number(s) on which the PIC is to be changed, to submit the order that confirms the information described in a. preceding to confirm the authorization; or

13. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES (CONT'D)

13.3 MISCELLANEOUS SERVICES (Cont'd)

13.3.9 Equal Access Subscription (Cont'd)

B Confirmations/Verification of Choice of IC (Cont'd)

1. Verification of Orders for Long Distance (Cont'd)

   c. An appropriately qualified and independent third party has obtained the customer's oral authorization to submit the PIC change order that confirms and includes appropriate verification data (e.g., the customer's date of birth or social security number). An appropriately qualified and independent third party must operate in a location physically separate from the carrier and may not be owned, managed, controlled, or directed by the soliciting carrier, nor can it receive financial incentives to approve carrier changes.

C. End User and Location Provider or its Authorized Agent of Pay Telephone Choice Discrepancy with Subscription

When a discrepancy is determined regarding an end user's or location provider's or its authorized agent's designation of a preferred intraLATA carrier, the following applies depending upon the situation described:

1. When two or more IC orders are received for an end user or pay telephone line, the order with the latest application date determines customer choice.

   a. The application date, as defined preceding, on IC orders is used to determine the end user's or location provider's or its authorized agent's IC choice (i.e., the order with the later date will be honored). ICs involved in changes will be notified by the weekly activity report via paper format or mechanized interface in Network Operations Forum (NOF) format.

2. All letters of agency, recordings, or other evidence of change orders shall be maintained by the soliciting IC for at least two years from the date the customer's service was switched. Failure to maintain such records shall constitute prima-facie evidence that consent from the customer was not obtained.

D. When an end user or pay telephone location provider or its authorized agent denies requesting a change in intraLATA carrier Subscription, as submitted by an IC, and the IC is unable to produce proof of verification, the IC will be assessed an unauthorized subscription change charge, as applicable, to correct the unauthorized change. The nonrecurring charge for an unauthorized change in subscription is as set forth in H. following. In addition, the IC will be assessed the subscription change charge as specified in G. following, which was previously billed to the end user or pay telephone location provider or its authorized agent and subsequently resulted in dispute. The end user's or pay telephone location provider's or its authorized agent's account will be credited for the amount of the disputed charge.

E. Equal Access Subscription Charge Application

1. New end users or location providers or their authorized agent of pay telephones, who will be served by end offices equipped with equal access, will be asked to select a preferred IC for intraLATA at the time they place an order with the Company for Telephone Exchange Service. The nonrecurring charge for all other changes is as set forth in G. following.

   No Subscription charge will apply to new end users or new location providers or their authorized agent of pay telephones.

   A Subscription charge will apply for each intraLATA PIC change submitted, except as provided in 1. preceding. The applicable subscription charge for each interLATA PIC change submitted is as set forth in the National Exchange Carrier Association's Tariff FCC No. 5, Section 17.4.4. If intraLATA and interLATA PIC changes are submitted simultaneously to the same carrier, the intraLATA PIC rate will be as set forth in G. following.

13. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES (CONT'D)

13.3 MISCELLANEOUS SERVICES (Cont'd)

13.3.9 Equal Access Subscription (Cont'd)

E. Equal Access Subscription Charge Application (Cont'd)

2. If an IC elects to discontinue switched access Feature Group D service in an equal access end office, the IC is obligated to contact, in writing, all end users or location providers or their authorized agent of pay telephones, who have selected the canceling IC as their primary IC. The IC must inform the end user or pay telephone location provider or its authorized agent that they are canceling their switched access Feature Group D service; request that the end user or location provider or its authorized agent select a new IC; and state that the canceling IC will pay the change charge as provided in G., following.

   For a period of two years from the date of switched access Feature Group D service discontinuance, the IC discontinuing service will be responsible for paying the change charge for any of their designated end users or pay telephone location providers or their authorized agent.

3. The Company will waive the applicable subscription change charge to the end user or pay telephone location provider or its authorized agent when the end user or location provider or its authorized agent has been incorrectly assigned.

14. SPECIAL CONSTRUCTION

14.1 Application

14.1.1 General

A. This Section contains regulations, rates, charges and liabilities applicable for the special construction of facilities provided by the Company, which are used to provide intrastate services offered under this Tariff.

B. When special construction of facilities is required, the provisions of this section apply in addition to all regulations, rates and charges set forth in other sections of this Tariff.

14.2 Regulations

14.2.1 Filing of Charges

A. Rates, charges and liabilities for special construction to provide facilities are filed in Section 14.3 following.

1. Charges of Connecting Carriers

   Rates, charges and liabilities for the special construction of facilities provided by a Connecting Carrier are developed by the Connecting Carrier and are filed by the Company in this Tariff on behalf of the Connecting Carrier.

2. Regulations and Charges of Other Participating Carriers

   Regulations and charges for the special construction of facilities provided by Other Participating Carriers are filed in their tariffs.

14.2.2 Ownership of Facilities

The Company retains ownership of all specially constructed facilities.

14.2.3 Interval to Provide Facilities

Based on available information and the type of service ordered, the Company will establish a completion date for the specially constructed facilities. Although the Company will make every reasonable effort to ensure that the date is met, shortage of material, personnel or other factors may lengthen the installation interval. The Company does not guarantee that the facilities will be available on the scheduled date and assumes no liability other than that specified in other sections of this Tariff if that date is missed. If the scheduled completion date cannot be met, the party ordering the special construction will be notified and a new completion date will be established.

14.2.4 Special Construction Involving Both Interstate and Intrastate Facilities

When special construction involves facilities to be used to provide both interstate and intrastate service, charges for the portion of the construction used to provide intrastate service shall be in accordance with this Tariff. Charges for the portion of the construction used to provide interstate service shall be in accordance with the appropriate FCC Tariff.

14. SPECIAL CONSTRUCTION (CONT'D)

14.2 Regulations (Cont'd)

14.2.5 Payments for Special Construction

A. Payment of Charges

Regulations set forth in 2.4.1.C preceding shall apply.

B. Start/End of Billing

Billing of recurring charges for specially constructed facilities starts on the day after the facilities are made available for use. Billing accrues through and includes the day that the specially constructed facilities are discontinued. Monthly charges will normally be billed one month in advance.

C. Partial Payments

To safeguard its interests during construction, the Company may require a partial payment(s) for the portion of the estimated cost of the special construction for which a nonrecurring charge will apply. Partial payments may be requested as costs are incurred and will be credited against the total bill. Partial payments may not exceed the total nonrecurring charge for the special construction. If any partial payment is not recovered by the Company by the end of the first working day of the next month, the Company will cease all work on the special construction case and cancellation charges will apply as set forth in 14.2.6.D.7.

14.2.6 Liabilities and Charges for Special Construction

A. General

This section describes the various charges and liabilities that may apply when the Company provides special construction of facilities in accordance with an order for service or a forecast of facilities requirement. Written approval of all liabilities and charges must be provided to the Company prior to the start of construction.

B. Conditions Requiring Special Construction

Special construction is required when 1) suitable facilities are not available to meet an order for service, and 2) the Company constructs facilities, and 3) one or more of the following conditions exist:

1. The Company has no other requirement for the facilities constructed.
2. It is requested that service be furnished using a type of facility, or via a route, other than that which the Company would normally utilize in furnishing the requested service.
3. More facilities are requested than would normally be required to satisfy an order.
4. It is requested that construction be expedited, resulting in added cost to the Company.

C. Development of Liabilities and Charges

Special Construction charges and liabilities will be developed based on estimated costs, except when actual costs are requested in writing prior to the start of special construction. In order to meet a scheduled service date when actual costs are requested, an initial special construction filing may be made based on estimated costs. Such a filing will be revised when actual costs are available.

14. SPECIAL CONSTRUCTION (CONT'D)

14.2 Regulations (Cont'd)

14.2.6 Liabilities and Charges for Special Construction (Cont'd)

D. Types of Liabilities and Charges

Depending on the specifics associated with each individual case, one or more of the following special construction charges and/or liabilities may be applicable.

1. Quotation Charge

A nonrecurring charge for the preparation of a quotation applies whenever an estimate for special construction charges and liabilities is requested. The charge includes the costs associated with the development and preparation of the quotation.

The quotation is valid for 90 days and identifies all rates, charges and liabilities associated with the provision of the facilities required to satisfy a service request. Within this 90 day period, if the service is ordered as quoted and service is subsequently provided, the quotation charge will be credited to the appropriate account.

If a request for a quotation is cancelled prior to its completion, a bill will be rendered for the costs incurred for quotation preparation through the cancellation date, including any appropriate taxes.

The payment of a quotation charge does not assign, confer, or transfer title or ownership rights of proposals or facilities designed or furnished by the Company. Title and ownership rights for any item remains with the Company, except as specifically provided by an agreement between all parties.

2. Nonrecurring Charge

A nonrecurring charge always applies and includes one or more of the following components:

a. Case Preparation Charge

A nonrecurring charge always includes a case preparation charge component to cover the administrative expenses associated with preparing a special construction case and making the associated Tariff filing.

b. Expediting Charge

A nonrecurring charge may include an expediting charge when it is requested that special construction be completed on an expedited basis. The charge equals the difference in estimated cost between expedited and non-expedited construction.

c. Optional Payment

An optional payment charge may be included in the nonrecurring charge in association with a type of facility or route other than that which the Company would normally use in furnishing the requested service if lower recurring monthly charges are desired for the specially constructed facilities. This charge is equal to the excess installed cost or the total nonrecoverable cost, whichever is less. This election must be made in writing, before special construction starts. If this election is coupled with the actual cost option, the optional payment charge will reflect the actual cost of the specially constructed facilities.

14. SPECIAL CONSTRUCTION (CONT'D)

14.2 Regulations (Cont'd)

14.2.6 Liabilities and Charges for Special Construction (Cont'd)

D. Types of Liabilities and Charges (Cont'd)

2. Nonrecurring Charge (Cont'd)

d. Replacement Charge

If any portion of specially constructed facilities for which an optional payment charge has been paid requires replacement involving capital investment, a replacement charge will apply. This charge will be in the same ratio to the total replacement cost as the initial optional payment charge was to the installed cost of the original specially constructed facilities. If any portion of the facilities subject to the replacement charge fails, service will not be restored until notification is provided in writing that replacement is required and such replacement is ordered.

e. Rearrangement Charge

If the Company is requested to rearrange existing specially constructed facilities, a nonrecurring charge component equal to the cost of rearrangement will apply.

f. Special Construction of Facilities for Use for less than One Month

When the Company is requested to construct facilities to provide service for less than one month, only a nonrecurring charge applies. In addition to the case preparation charge component, this nonrecurring charge recovers all elements of cost, including engineering, shipping of equipment, equipment installation, line-up, equipment leasing, space rental, equipment removal, and any other costs associated with the construction of the facilities.

3. Maximum Termination Liability and Termination Charge

A Maximum Termination Liability is equal to the nonrecoverable costs associated with specially constructed facilities and is the maximum amount which could be applied as a Termination Charge if all specially constructed facilities were discontinued before the Maximum Termination Liability expires.

The liability period is equal to the average life of the account associated with the specially constructed facilities. The liability period is generally expressed in terms of an effective and expiration date.

A Termination Charge may apply when all services using specially constructed facilities which have a tariffed Maximum Termination Liability are discontinued prior to the expiration of the liability period. The charge reflects the unamortized portion of the nonrecoverable costs at the time of termination, adjusted for net salvage and possible reuse. Administrative costs associated with the specific case of special construction and any cost for restoring a location to its original condition are also included. A Termination Charge may never exceed the filed Maximum Termination Liability.

4. Annual Underutilization Liability and Underutilization Charge

Annual Underutilization Liability is a per unit amount which is based on the per unit cost of specially constructed facilities. The liability remains in effect until the expiration of the Maximum Termination Liability or until the special construction case is discontinued and all termination liabilities associated with the case are discharged. An underutilization charge may be applicable after the expiration of the minimum period, as set forth in other sections of this Tariff under which service is being provided, depending on the quantity of specially constructed facilities in service.

No underutilization charges are computed or billed until one year after the minimum period expires. At that time, an underutilization charge applies to the difference, if any, between the original number of specially constructed facilities and the number of specially constructed facilities in service at filed tariff rates. The underutilization charge applies from the date the minimum period expires and annually thereafter. For purposes of determining an underutilization charge, any facilities subject to minimum service period monthly charges are considered to be in service at filed tariff rates.

14. SPECIAL CONSTRUCTION (CONT'D)

14.2 Regulations (Cont'd)

14.2.6 Liabilities and Charges for Special Construction (Cont'd)

D. Types of Liabilities and Charges (Cont'd)

5. Recurring Monthly Charges

a. Excess Capacity Charge

A recurring monthly excess capacity charge applies when more facilities are requested and subsequently specially constructed than are required to satisfy an order for service. The charge is based on the estimated cost difference between the facilities constructed and the facilities which would normally be required to meet the order for service. Charges apply until there are sufficient services to warrant the facilities which were originally constructed.

b. Charge for Route or Type other than Normal

When special construction is requested using a route or type of facility other than that which the Company would normally use, a recurring monthly charge, in addition to the monthly rates for service, is applicable. The charge is equal to the difference between the recurring costs of the specially constructed facilities and the recurring costs of the facilities the Company would have normally used.

(1) When an Optional Payment Charge as set forth in 14.2.6.D preceding has been elected, the recurring monthly charge will be reduced to include specially constructed facility operating expenses only.

(2) If the actual cost option as set forth in 14.2.6.C. preceding has been elected, the recurring charge will be adjusted to reflect the actual cost of the new construction when the costs have been determined. This adjusted recurring charge is applicable from the start of service.

6. Lease Charge

This charge applies when the Company leases equipment in order to meet service requirements. The amount of the charge is equal to the net added cost to the Company caused by the lease.

7. Cancellation Charge

If an order with which special construction is associated is cancelled prior to the start of service, a cancellation charge will apply. The charge will include all nonrecoverable costs incurred by the Company up to and including the time of cancellation.

14. SPECIAL CONSTRUCTION (CONT'D)

14.2 Regulations (Cont'd)

14.2.7 Deferral of Start of Service

The Company may be requested to defer the start of service which will use specially constructed facilities subject to the provisions as set forth in other sections of this Tariff. Requests for special construction deferral must be in writing and are subject to the following regulations:

A. Construction Has Not Begun

If the Company has not incurred any installation costs before receiving a request for deferral, the quotation charge applies. The original quotation is subject to Company review at the time of reinstatement to determine if the original charge estimates are still valid. An additional quotation charge will, therefore, apply. Any change in liabilities and charges requires concurrence in writing.

B. Construction Has Begun

If the construction of facilities has begun before the Company receives a request for deferral, charges will vary as follows:

1. All Services Are Deferred

When all services which will use specially constructed facilities are deferred, a charge based on the costs incurred by the Company during each month of the deferral will apply. Those costs include the recurring costs for that portion of the facilities already completed and any other costs associated with the deferral. The quotation charge and cost of any components of the nonrecurring charge which have been completed at the time of deferral will also apply.

2. Some Services Are Deferred

When some services which will use the specially constructed facilities are deferred, the construction case will be completed and all special construction charges will apply.

C. Construction Complete

If the construction of facilities has been completed before the Company receives a request for deferral, all special construction charges will apply.

14.3 Rates and Charges

Rates and Charges for special construction charges to provide facilities constructed in accordance with this Tariff are found in 22. following.

15. RESERVED FOR FUTURE USE

16. RESERVED FOR FUTURE USE

17. RESERVED FOR FUTURE USE

18. RESERVED FOR FUTURE USE

19. RESERVED FOR FUTURE USE

20. RESERVED FOR FUTURE USE

21. INTRALATA TOLL ORIGINATING RESPONSIBILITY PLAN (ITORP)

21.1 General

21.1.1 Service Description

A. This section sets forth the requirements and applicable charges for the Local Exchange Companies' (LECs) IntraLATA Toll Originating Responsibility Plan (ITORP). The provisions set forth in this section apply equally to all LECs that participate jointly in the rendering of intrastate intraLATA switched toll services, interexchange Foreign Exchange (FX), and/or interexchange intraLATA private line services.

B. The ITORP sets forth access-based compensation arrangements to determine the compensation of each LEC for its participation in the handling of intraLATA switched toll services. IntraLATA switched toll services include (1) IntraLATA Message Telecommunications Services, (2) Outward Wide Area Telecommunications Services (WATS), (3) 800 Service, and (4) Toll Discount Plans, which are furnished within Local Access and Transport Areas (LATAs).

21.1.2 Definitions

REVENUES

The amounts chargeable to customers for intraLATA switched toll and interexchange FX and Private Line services provided exclusively by LECs. Uncollectible revenues and revenues associated with official Company toll calls are included. Each LEC accepts the responsibility for the collection of revenues billed by it and calls originating on its system that are returned under the Responsible Company Toll Investigation Plan.

ACCESS CHARGES

The approved intrastate interLATA switched access charges in each LEC's Access Service Tariff on file with the appropriate State Commission (Commission). Intrastate interLATA switched access charges consist of traffic sensitive and non-traffic sensitive elements. Traffic sensitive rate elements are those that provide local transport and end-office functions. Traffic sensitive costs are the participating LEC's cost of facilities and switching functions between the toll center and the end-office, or serving wire center, to transport a toll call. Non-traffic sensitive rate elements are the originating and terminating carrier common line charges. Non-traffic sensitive costs are the participating LEC's cost of the local loop extending from the end-office to the customer's premises to transport a toll call.

ORIGINATING COMPANY

The LEC that originates the toll call and is generally the Company that bills the call.

TERMINATING COMPANY

The LEC that terminates the toll call and is generally the Company that receives terminating access compensation.

NETWORK COMPANY

The network Company is the LEC(s) that provide(s) the toll switching, inter-toll trunking, and/or operator services for intraLATA toll calls and receives network compensation at the rate set forth following. The network Company's compensation represents its costs of facilities in and between toll centers to transport a toll call.

21. INTRALATA TOLL ORIGINATING RESPONSIBILITY PLAN (ITORP) (CONT'D)

21.1 General (Cont'd)

21.1.2 Definitions (Cont'd)

INTERMEDIATE SWITCHING COMPANY

The LEC that is neither the originating Company nor the terminating Company, but whose facilities are transited in the completion of an intraLATA toll call from the originating Company to the terminating Company.

ACCESS FUNCTIONS

The service functions performed for and necessary to the provision of intraLATA switched toll services, including switched access service that is similar to Feature Group C and ancillary services as defined in the Intrastate Access Tariffs filed with the Commission. Access functions include recording, message processing, billing, collection, end-office switching, local transport, and carrier common line.

NETWORK FUNCTIONS

The service functions which, together with access functions as defined under the Intrastate Access Tariffs, are performed for and necessary to the provision of intraLATA switched toll service. The network function may be (1) services provided by operators, including but not limited to, intraLATA toll operator assistance, toll operating assistance, and intra-NPA Directory Assistance (DA) and/or (2) network functions such as intraLATA tandem switching and/or line haul between assumed Point of Presence locations for intraLATA switched toll service.

OPERATOR COMPANY

The LEC that provides full operator toll services.

RECORDING COMPANY

The LEC that records the toll usage.

BILLING COMPANY

The LEC that renders a bill for the service provided to the customer.

21.1.3 Central Administration

A. BellSouth Telecommunications, Inc., d/b/a AT&T North Carolina will serve as the Central Administrator, or clearinghouse for access compensation payments, network compensation payments, DA charges where AT&T North Carolina is the clearinghouse, and billing and collections. Payments for compensation elements are paid to the Central Administrator for distribution according to the provisions set forth following. AT&T North Carolina will prepare and render monthly company specific compensation statements for each LEC. AT&T North Carolina will also be responsible for determining the net compensation due from or owed to each LEC and for making the appropriate payments. Private Line compensation will be handled as specified in 21.2.1.G. following.

21.1.4 Billing of Service Provided by Multiple Companies

A. Appropriate portions of service billable by each Company involved in the joint provisioning of any intrastate intraLATA switched toll service, interexchange FX service, or interexchange intraLATA Private Line service are determined according to the provisions as specified in 21.2.1.G. following. In the case where the rate elements or functions are provided by more than one LEC, each LEC(s) rates and charges for those rate elements are multiplied by the appropriate billing factor from the National Exchange Carrier Association Tariff FCC No. 4 (NECA No. 4) to obtain the charges.

21. INTRALATA TOLL ORIGINATING RESPONSIBILITY PLAN (ITORP) (CONT'D)

21.1 General (Cont'd)

21.1.5 Settlement Conditions

A. All intraLATA switched toll services, FX, and intraLATA interexchange private line services provided wholly by one LEC are excluded from ITORP settlements.

B. The originating company will pay to the other participating LEC(s) its traffic sensitive and non-traffic sensitive access charges, and/or network compensation, as appropriate.

C. All intraLATA switched toll services that are jointly provided by the LECs subject to the settlement conditions are handled as follows:

1. Direct Distance Dialing and WATS - The originating Company shall bill the toll charges and shall collect and keep the toll revenues for sent-paid and WATS revenues. The originating Company shall pay to the terminating Company terminating access charges and network compensation, if applicable. The originating Company shall compensate the intermediate switching company, if any, for applicable network functions and local transport functions.
2. 800 Service - The terminating Company shall bill the toll charges and collect and keep the toll revenues for 800 services. The terminating Company shall pay to the originating Company originating access charges and network compensation, if applicable. The terminating Company shall compensate the intermediate switching Company, if any, for applicable network functions and local transport functions.
3. Operator Handled Traffic:

   a. Collect Calls - The terminating Company shall bill and collect the toll charges for collect calls and remit to the originating Company the toll revenues. The originating Company shall pay to the terminating Company terminating access charges and network compensation, if applicable, and billing and collections (B&C) compensation. The originating Company shall compensate the intermediate switching Company, if any, for applicable network functions and local transport functions.

   b. Credit Card and Third Number Calls - The billing Company shall send the toll revenues to the originating Company through the nonsent-paid process. The originating Company shall pay to the terminating Company terminating access charges and network compensation, if applicable, and B&C compensation to the billing Company. The originating Company will compensate the intermediate switching Company, if any, for applicable network functions and local transport functions.

21. INTRALATA TOLL ORIGINATING RESPONSIBILITY PLAN (ITORP) (CONT'D)

21.2 Payment Arrangements

21.2.1 Rate Regulations

A. Network Compensation

Facilities - The originating Company pays the network compensation charges for all network functions performed by any other LEC(s) in the handling of its intraLATA toll traffic transiting and/or tandem switching through that LEC's territory to another LEC or terminating in that LEC's territory. The same network compensation rate will apply whether the toll call is terminated or transited and the compensation rate will be the same regardless of whether the traffic originates as an intraLATA toll call or a local call due to implementation of an expanded local calling plan. Network compensation charges are not distance sensitive and costs per minute of use (MOU) reflect average lengths of haul. Network compensation rates are specified in 22. following.

B. Access Compensation

The originating Company will pay to the terminating Company (LEC) tariffed intrastate switched access charges consisting of traffic sensitive and non-traffic sensitive access charges as appropriate according to the terminating Company's applicable Access Service Tariff. Traffic sensitive rate elements are those that provide the end-office functions and local transport functions. Non-traffic sensitive rate elements are the originating and terminating carrier common line charges. Access charges will apply as specified in 3. and 6. or in the applicable sections of the Access Service Tariff of the terminating LEC. Access compensation will continue to apply as long as originating traffic in both directions remains classified as intraLATA toll.

C. Directory Assistance (DA)

1. When charges are applicable according to the rules and regulations of their tariff for intraLATA toll DA service, the originating Company will bill its subscriber the tariffed rate for intraLATA toll DA inquiries. The originating Company will provide compensation for those calls to DA providers as follows:

   a. The originating Company will retain $.10 of the amount charged as compensation for billing and collection, originating access charges, and other incidental DA type expenses.

   b. The originating Company will forward the remaining $.40 of the amount charged, to Southern Bell or Carolina Telephone Company (CTT) depending on the LATA in which the calling party originates the call. Southern Bell will serve as the clearinghouse for the DA providers in the Asheville, Charlotte, Greensboro, Raleigh, and Wilmington LATAs. CTT will serve as the clearinghouse for the DA providers in the Fayetteville and Rocky Mount LATAs.

      (1) Southern Bell or CTT will be due $.15 of the amount charged for each call reswitched through its DA Bureau. The Company providing the number will be due $.25 of the amount charged.

      (2) Southern Bell or CTT will be due $.40 for each call not reswitched through its DA Bureau.

2. Each originating Company will bear the cost of its uncollectible toll DA revenues.

21. INTRALATA TOLL ORIGINATING RESPONSIBILITY PLAN (ITORP) (CONT'D)

21.2 Payment Arrangements (Cont'd)

21.2.1 Rate Regulations (Cont'd)

D. Official Toll Calls

Each LEC will bear the cost of its official toll calls. Access compensation will be paid to the other LEC(s) involved in the call on the same basis as a subscriber originated call.

E. Uncollectibles

The billing Company will bear and absorb the cost of all uncollectibles provided that the recording company has performed all standard security procedures such as number verification, etc. If the recording Company fails to perform standard security procedures, the billing Company shall have recourse against the recording Company.

F. Compensation for Billing and Collection

The originating Company will pay compensation to the billing Company for each intraLATA toll message for which revenues are collected and returned to the originating Company.

G. Jointly Provided Services

1. Each LEC will receive compensation for its participation in jointly-provisioned Private Line service or interexchange FX service as a result of direct billing to the customer for the portion of the service that it provides. Each participating LEC may bill the customer the applicable charges associated with the portion of the service that LEC provides according to the rules and regulations appearing in their tariffs.
2. One LEC may choose to contract with another LEC to bill on their behalf, in which case the customer may not receive multiple bills for jointly-provisioned private line and FX service. In any case, the bill will reflect the charges for that service according to the portions of service provided at the rates that each LEC is authorized to charge according to the Company specific tariff for the portions of the service provided by that LEC.

21. INTRALATA TOLL ORIGINATING RESPONSIBILITY PLAN (ITORP) (CONT'D)

21.2 Payment Arrangements (Cont'd)

21.2.1 Rate Regulations (Cont'd)

I. Revenue Stability Fund (RSF) (Cont'd)

H. High Cost Fund (HCF)

As a result of entering the ITORP, the LECs established a HCF to provide transitional support for a limited period to those Companies with over 50,000 access lines that incur a decrease in toll revenues. Funding for this support will come from those Companies that experience an increase in revenues resulting from the elimination of the intraLATA toll pool, otherwise known as depooling. The funding obligation for each contributing company will be in proportion to its relative gain to the total revenue increase of all LECs benefiting from depooling. Two options are available to qualifying LECs.

1. Option 1 - HCF Support will phase out over a three-year period. The term loss for this option is defined as the difference between the toll revenue received by a LEC under the preexisting Annex I, effective 07-01-92 and toll revenue received by a LEC under the ITORP based on a 1993 test year.

   a. Year 1 following depooling (1994) is fifty (50) percent of annual toll revenue loss.

   b. Year 2 following depooling (1995) is thirty-five (35) percent of annual toll revenue loss.

   c. Year 3 following depooling (1996) is twenty (20) percent of annual toll revenue loss.

   d. Year 4 and thereafter is no subsidy. After the three-year transition period, each Company that is eligible for the HCF will be solely responsible for its cost recovery.

   e. The base annual amount cannot increase during the three-year period. It can be lowered, however, due to one or more of the following conditions. If the Commission allows the HCF participating Company to increase its intraLATA Private Line rates above those used in the impact studies performed in connection with the transition to ITORP, the LECs agree that they will credit the increase to the toll revenue loss, and they will lower the base amount accordingly for the remainder of the three-year period. If, during the three-year period, a Company initiates and converts over fifty (50) percent of its intraLATA toll traffic to a measured extended area service plan, a downward adjustment will be made to the base annual amount, thereby lowering the subsidy accordingly.

2. Option 2 - No HCF Support

   Any LEC that chooses to waive HCF support will not be subject to the Revenue Stability Fund (RSF) payments for the initial three-year period. The total revenue waived must be greater than its estimated RSF payments.

I. Revenue Stability Fund (RSF)

The LECs agree that to ensure that the ITORP does not jeopardize the universal availability of local telephone service at reasonable rates, the LECs establish a Revenue Stability Fund (RSF) for those LECs with under 50,000 access lines that incur a loss in toll revenues as a result of depooling. The LECs will implement the fund for an initial period of three years beginning January 1, 1994. After three years, the LECs will re-evaluate the need for continuation of RSF support.

The LECs will determine the base period loss in toll revenues based upon January through October, 1993 data, annualized. If loss in toll revenues results in a toll revenue deficit of greater than $.25 per line per month, the manner in which re-evaluation will be handled is as follows: The RSF amounts that are negative revenue impact less $.25 per line per month will be recalculated annually. The toll revenue impact will remain unchanged; however, the $.25 per line per month will change annually based upon the latest line counts available. Each month the LECs will pay to the Central Administrator the annual RSF amount due divided by twelve (12) and the Central Administrator will distribute the flat rate monthly payments to those eligible LECs choosing to participate in the RSF.

21. INTRALATA TOLL ORIGINATING RESPONSIBILITY PLAN (ITORP) (CONT'D)

21.2 Payment Arrangements (Cont'd)

21.2.1 Rate Regulations (Cont'd)

I. Revenue Stability Fund (RSF) (Cont'd)

If a RSF recipient files for an intrastate rate proceeding, the RSF recipient will include the RSF subsidy as a toll revenue loss in the requirement underlying the rate request. The new rates allowed by the Commission will be used to reduce the RSF subsidy.

The LECs will obtain funding for the RSF by implementation of a surcharge on all intraLATA toll MOU.[1] All Companies that originate and/or terminate toll traffic in the LATA will participate in the RSF, with exception of an LEC that declines a subsidy from the HCF where the amount of subsidy waived is greater than its estimated contribution to the RSF.

J. Maintenance of Records

Each Company will keep records of its transactions relating to the payment of access-based compensation amounts in reasonably sufficient detail to permit the other LECs, by review or audit, to verify the accuracy and reasonableness of payments. Each Company agrees to cooperate in reviews or audits performed by or on behalf of the other LECs and further agrees to jointly review the findings of such reviews or audits in order to resolve any differences of opinion concerning the findings thereof. Each Company, whether or not in connection with a formal review or an audit, shall provide the LECs with reasonable access to the records it has maintained and to other relevant data within its possession relating to the ITORP compensation amounts paid and received.

K. Termination

Any participating LEC wishing to withdraw from this ITORP agreement may do so with a ninety (90) days' written notice to the other participating companies.

22. RATES AND CHARGES

Each Telephone Company that concurs in this Tariff has an individual Rate Section contained in this Section 22. For the convenience of the user of this Tariff, the individual Telephone Company's rate sections are labeled "22. Rates and Charges - [Company Name]". For those services which the Company cannot provide, an "N/A" is inserted in lieu of a specific rate. For those services which the Company can provide, but for which there is no demand, an "ICB" notation is inserted in lieu of a specific rate. The individual Companies listed in this Section are considered "Issuing Carriers" for only those services found in their individually-identified rate pages.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

All rates set forth in this section are applicable to Intrastate Originating Switched Access Services and Intrastate Special Access Services. Rates, terms and conditions applicable to Intrastate Terminating Switched Access Services are found in John Staurulakis F.C.C. Tariff No. 1.

22.1 Carrier Common Line Access

A. The rate for Intrastate Carrier Common Line Access is:

1. Carrier Common Line Charge

a. Originating Access Minutes

(a) Per Minute $-

22.2 Ordering Options for Switched Access and Special Access Service

		Nonrecurring Charge
(1)	Service Date Change	
(a)	Service Date Change Charge, per Order	$26.21
(2)	Other Modswification Change	
(a)	Per Order	26.21
(3)	Planned Facilities Order Modification Charge	
(a)	Per Order	26.21

22.3 Switched Access Service

22.3.1 Minimum Monthly Usage Charge (MMUC)

A. The Minimum Monthly Usage Charge (the minimum transport charge) varies by mileage band and capacity.

The MMUC is as follows:

Mileage Bands		Minimum Transport Charge per BHMC[1]
(a)	0 to 1	$0.3300
(b)	Over 1 to 8	0.7575
(c)	Over 8 to 16	0.8775
(d)	Over 16 to 25	0.9450
(e)	Over 25 to 50	1.5225
(f)	Over 50 to 100	2.1225
(g)	Over 100	3.3975

[1] BHMC is the Access Connections busy hour minutes of capacity provided to the end office.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.2 Access Connections

A. Installation of New Service

1. Feature Group A

		Nonrecurring Charge
(a)	Per First Line	$640.00
(b)	Each Additional Line	135.00

2. Feature Groups B, C and D

(a)	Per First Trunk or Signaling Connection	915.00
(b)	Each Additional Trunk or Signaling Connection	272.00

3. Interface Groups

(a)	Group 1, Two-Wire path with Loop signaling	-
(b)	Group 2, Four-Wire path with Loop signaling	-
(c)	Group 6, DS1 level path with Bit Stream signaling	-
(d)	Group 7, DS1C level path with Bit Stream signaling	-
(e)	Group 8, DS2 level path with Bit Stream signaling	-
(f)	Group 9, DS3 level path with Bit Stream signaling	-
(g)	Group 10, DS4 level path with Bit Stream signaling	-

B. Interface Group Non-chargeable Optional Features

1. Supervisory Signaling

a. DX Supervisory Signaling arrangement
Per Transmission Path[1]

b. SF Supervisory Signaling arrangement
Per Transmission Path[2]

c. E&M Type I Supervisory Signaling arrangement
Per Transmission Path[1]

d. E&M Type II Supervisory Signaling arrangement
Per Transmission Path

[1] Available with Interface Groups 1 and 2.
[2] Available with Interface Groups 2 and 6 and 7.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.2 Access Connections (Cont'd)

B. Interface Group Non-chargeable Optional Features (Cont'd)

1. Supervisory Signaling (Cont'd)

e. E&M Type III Supervisory Signaling arrangement

Per Transmission Path[1]

f. Tandem Supervisory Signaling arrangement

Per Transmission Path[2]

2. IC Specified Entry Switch Receive Level

a. IC specification of the receive transmission level at the first point of switching within a range acceptable to the Company[3]

Per Transmission Path

C. Network Blocking Charge, applies to FGD only.

		Rate
(a)	Per call blocked	$0.0076

22.3.3 Local Transport

A. Call Miles

(1) Usage Rate per Access Minute

		Per Access Minute
(a)	0 to 1	$.0044
(b)	Over 1 to 8	0.0101
(c)	Over 8 to 16	0.0117
(d)	Over 16 to 25	0.0126
(e)	Over 25 to 50	0.0203
(f)	Over 50 to 100	0.0285
(g)	Over 100	0.04530

B. Options

1. Provision of other than Company Selected

Traffic Routing (available with FGB, FGC and FGD)

a. Direct Trunking in lieu of Tandem Trunking

Per Transmission Path[4]

b. Tandem Trunking in lieu of Direct Trunking

Per Transmission Path[4]

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[1] Available with Interface Group 2 for FGC and FGD.
[2] Available with Interface Group 2 for FGA.
[3] Available with Interface Groups 2 through 7 for FGA and FGB.
[4] Rates and charges based on individual cases will apply.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.3 Local Transport (Cont'd)

B. Options (Cont'd)

2. IC Specification of Feature Group Directionality (Available with FGB, FGC, FGD and FGE)[1]

   a. One Way Operation in lieu of Two Way Operation[4]

   b. Two Way Operation in lieu of One Way Operation[4]

3. IC Specification of a Local Transport Termination (Available with FGB with Type B Transmission Performance)

   a. Four Wire Termination in lieu of Two Wire Termination[4]

[1] For FGC this option is available only in electronic end offices.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office

A. Local Switching

1. Per Access Minute (Includes Line Termination and Intercept)

	Rate Per Access Minute
(a) Per Originating Access Minute of use	N/A

2. Common Switching Nonchargeable Optional Features

a. Call denial on line or hunt group, available with FGA

Per Transmission Path or Transmission Path Group

b. Service Code Denial on line or hunt group, available with FGA

Per Transmission Path or Transmission Path Group

c. Hunt Group Arrangement, available with FGA

Per Transmission Path Group[1]

d. Uniform Call Distribution Arrangement, available with FGA

Per Transmission Path Group[1]

e. Nonhunting Numbers for use with Hunt Group Arrangements or U.C.D.

Arrangement available with FGA
Per Transmission Path

f. Automatic Number Identification, available with FGB, FGC and FGD

Per Transmission Path Group[1]

g. Up to 7 Digit Outpulsing of Access Digits to IC, available with FGB

Per Transmission Path Group[1]

h. Dial Pulse Address Signaling, available with FGC

Per Transmission Path Group

i. Service Class Routing, available with FGC and FGD

Per End Office and/or Access Tandem

j. Alternate Traffic Routing, Multiple Customer Premises Alternate Routing available with FGB, FGC and FGD

Per End Office and/or Access Tandem
End Office Alternate Routing, when ordered in trunks, available with FGB and FGD,
Per End office and/or Access Tandem

k. Trunk Access Limitation Arrangement, available with FGC and FGD

Per End Office

[1] Optional features on an end office and/or access tandem basis are available only on an entire transmission path group.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

A. Local Switching (Cont'd)

2. Common Switching Nonchargeable Optional Features (Cont'd)

l. Call Gapping Arrangement, available with FGD

Per End Office

m. Band Advance Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path Group[1]

n. End Office Customer Line Service Screening on Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path

o. Hunt Group Arrangement for Dedicated Access Lines Service, available with FGC and FGD

Per Transmission Path Group

p. Uniform Call Distribution Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path Group

q. Nonhunting Number for use with Hunt Group Arrangement or U.C.D. Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path

3. Transport Termination Nonchargeable Options

a. Line Side Terminations for FGA

(1) Two Way Operation

-Dial Pulse with Loop Start
-Dial Pulse with Ground Start
-DTMF with Loop Start
-DTMF with Ground Start

(2) Terminating Operation

-Dial Pulse with Loop Start
-Dial Pulse with Ground Start
-DTMF with Loop Start
-DTMF with Ground Start

(3) Originating Operation

-Loop Start
-Ground Start

[1] Optional features on an end office and/or access tandem basis are available only on an entire transmission path group.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

A. Local Switching (Cont'd)

3. Transport Termination Nonchargeable Options (Cont'd)

b. Standard Trunk for Originating, Terminating or Two Way operation, available with FGB, FGC and FGD

c. Rotary Dial Station Signaling Trunk, available with FGB

d. Operator Trunk, Non Coin available with FGC also available with FGC or FGD when used in conjunction with Operator Transfer Service

e. Operator Trunk, Full Feature Arrangement, available with FGD

B. 800 Access Service

	Rate
1. IC Identification Charge	
(a) Per 100 calls[1]	$-

22.3.5 800 Access Ten Digit Screening Service

A. 800 Access Ten Digit Screening Service

	Rate
1. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with 800 Number Delivery	
(a) Per Query	$0.0046
2. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with 800 Number Delivery for 800 Numbers with Optional Complex Feature, i.e., Call Handling and Destination Features	
(a) Per Query	0.0047
3. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with POTS Number Delivery	
(a) Per Query	0.0046
4. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with POTS Number Delivery for 800 Numbers with Optional Complex Feature, i.e., Call Handling and Destination Features	
(a) Per Query	0.0047

[1] The rate for the 800 Access Service (NXX Plan) is subject to change upon the approval of the 800 Access Service Data Base Plan.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.6 Service Rearrangements

		Rate
A.	Change of Service	
	1. Submitted on the Same ASR[1]	
	(a) Per Request	$92.00
B.	Feature Group A	
	1. Line Side Service	
	(a) Per transmission path[2]	10.00
C.	Feature Groups B, C and D	
	1. Trunk Side Service	
	(a) Per transmission path[2]	5.00
D.	Common Block	
	1. Translations Related	
	(a) Per End Office and Tandem Office Affected[2]	90.00
E.	500 Access Service	
	1. Change in dialing capability	
	(a) Per NXX Per End Office and Tandem Office affected[2]	15.00

22.3.7 Transfer of Service

A.	Transfer of Service	
	1. Billing Account Number	
	(a) Each	170.00
B.	Feature Group A	
	1. Line Side Service	
	(a) Per Transmission Path[3]	7.00
C.	Feature Groups B, C and D	
	1. Trunk Side Service	
	(a) Per Transmission Path[3]	8.00

[1] Services requested on multiple ASRs will be treated as one request when requirements, as specified in 6.1.7, are met.
[2] This charge is in addition to that set forth in 22.3.6.A.
[3] This charge is in addition to that set forth in 22.3.7.A.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.8 500 Access Service

A. 500 Access Service

1. 500 Customer Identification

		Rate
(a)	Per Call	$0.01

2. Service Activation Charge - Per Company End Office Switch or Access Tandem in which translations are required

		Nonrecurring Charge
(a)	First NXX Code Submitted on ASR	$40.00
(b)	Additional NXX Code submitted on ASR	20.00

22.3.9 Local Transport

1. Local Transport Termination

		Rate	
(a)	Per Originating Access Minute of use	$0.0084	

2. Local Transport Facility

(a)	Per Mile, Per Originating Access Minute of use	0.000423	(R)

22.3.10 End Office

1. Local Switching

(a)	Per Originating Access Minute	0.0352

2. Directory Assistance Information Surcharge

(a)	Per 100 Originating Access Minutes	0.0290

22.3.11 RESERVED FOR FUTURE USE

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services

22.4.1 Access Connections

A. Two-Wire Access Connections

1. For use with NB1-5, VG1-12 and AP1-4

		Monthly Rate
(a)	Each Two Wire Access Connection	$1.40

B. Four-Wire Access Connections

1. For use with NB4-5, VG1-12 and DA1-4 with DU facility interface.

(a)	Each Four Wire Access Connection	2.80

C. Group Access Connections[1]

1. For use with WA1

(a)	Each group Access Connection	-

D. 20 kHz Access Connection[1]

1. For use with WA3

(a)	Each 20 kHz Access Connection	-

E. 13 kHz Access Connections[1]

1. For use with WA4

(a)	Each 13 kHz Access Connection	-

F. 19.2 kbps Access Connections[1]

1. For use with WD1

(a)	Each 19.2 kbps Access Connection	-

G. 50 kbps Access Connections[1]

1. For use with WD2

(a)	Each 50 kbps Access Connection	-

H. 230.4 kbps Access Connections[1]

1. For use with WD3

(a)	each 230.4 kbps Access Connection	-

[1] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.1 Access Connections (Cont'd)

I. 56 kbps Access Connections[1]

	Monthly Rate
1. For use with WD4	
(a) Each 56 kbps Access Connection	$-
J. DS1 - 1.544 Mbps Access Connections	
1. For use with HC1	
(a) Each DS1 Access Connection	36.00
K. DS1C - 3.152 Mbps Access Connections[1]	
1. For use with HC1C	
(a) Each DS1C Access Connection	-
L. DS2 - 6.312 Mbps Access Connections[1]	
1. For use with HC2	
(a) Each DS2 Access Connection	-
M. DS3 - 44.736 Mbps Access Connections[1]	
1. For use with HC3	
(a) Each DS3 Access Connection	-
N. DS4 - 276.176 Mbps Access Connections[1]	
1. For use with HC4	
(a) Each DS4 Access Connection	-

[1] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport

A. Mileage measured between IC serving wire center to Hub, IC serving wire center to End User serving wire center or Hub to End User serving wire center.

1. For method of determining mileage, see 7.4.5 and 10.

a. Fixed and Mileage Charges applicable

(1) Two-wire metallic (for use with NB1-3)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$-	$6.40
(b)	Over 4 to 8 Miles, per mile	.80	6.40
(c)	Over8 to 16 Miles, per mile	.80	6.40
(d)	Over 16 to 25 Miles, per mile	.80	6.40
(e)	Over 25 to 50, per mile	.80	6.40
(f)	Over 50 to Miles, per mile	.80	6.40
(g)	Over 100 Miles, per mile	.80	6.40

(2) 75 Baud (for use with NB4)

(a)	0 to 4 Milesper mile	-	5.45
(b)	Over 4 to 8 Miles, per mile	2.50	4.05
(c)	Over 8 to 16 Miles, per mile	11.95	2.65
(d)	Over 16 to 25 Miles, per mile	21.40	2.00
(e)	Over 25 to 50 Miles, per mile	39.50	1.25
(f)	Over 50 to 100 Miles, per mile	40.20	1.25
(g)	Over 100 Miles, per mile	40.20	1.25

(3) 150 Baud (for use with NB5)

(a)	0 to 4 Miles, per mile	-	5.45
(b)	Over 4 to 8 Miles, per mile	2.50	4.05
(c)	Over 8 to 16 Miles, per mile	11.95	2.65
(d)	Over 16 to 25 Miles, per mile	21.40	2.00
(e)	Over 25 to 50 Miles, per mile	39.50	1.25
(f)	Over 50 to 100 Miles, per mile	40.20	1.25
(g)	Over 100 Miles, per mile	47.70	1.25

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. For method of determining mileage, see 7.4.5 and 10. (Cont'd)

a. Fixed and Mileage Charges applicable (Cont'd)

(4) Two-Wire/Four-Wire Voice (for use with VG1-12 and interLATA only Dedicated Access Line Service)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$-	$8.09
(b)	Over 4 to 8 Miles, per mile	8.26	6.00
(c)	Over 8 to 16 Miles, per mile	25.75	3.82
(d)	Over 16 to 25 Miles, per mile	61.44	1.63
(e)	Over 25 to 50 Miles, per mile	61.44	1.63
(f)	Over 50 to 100 Miles, per mile	79.33	1.27
(g)	Over 100 Miles, per mile	79.33	1.27
(5)	3.5 kHz Audio (for use with AP1)		
(a)	0 to 4 Miles, per mile	-	6.45
(b)	Over 4 to 8 Miles, per mile	2.50	6.45
(c)	Over 8 to 16 Miles, per mile	2.50	6.45
(d)	Over 16 to 25 Miles, per mile	2.50	6.45
(e)	Over 25 to 50 Miles, per mile	2.50	6.45
(f)	Over 50 to 100 Miles, per mile	2.50	6.45
(g)	Over 100 Miles, per mile	2.50	6.45
(6)	5 kHz Audio (for use with AP2)		
(a)	0 to 4 Miles, per mile	-	6.45
(b)	Over 4 to 8 Miles, per mile	7.50	6.45
(c)	Over 8 to 16 Miles, per mile	7.50	6.45
(d)	Over 16 to 25 Miles, per mile	7.50	6.45
(e)	Over 25 to 50 Miles, per mile	7.50	6.45
(f)	Over 50 to 100 Miles, per mile	7.50	6.45
(g)	Over 100 Miles, per mile	7.50	6.45

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. For method of determining mileage, see 7.4.5 and 10. (Cont'd)
   a. Fixed and Mileage Charges applicable (Cont'd)
      (7) 8 kHz Audio (for use with AP3)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$-	$6.45
(b)	Over 4 to 8 Miles, per mile	6.90	6.45
(c)	Over 8 to 16 Miles, per mile	6.90	6.45
(d)	Over 16 to 25 Miles, per mile	6.90	6.45
(e)	Over 25 to 50 Miles, per mile	6.90	6.45
(f)	Over 50 to 100 Miles, per mile	6.90	6.45
(g)	Over 100 Miles, per mile	6.90	6.45
(8)	15 khz Audio (for use with AP4)[1]		
(a)	0 to 4 Miles, per mile	-	-
(b)	Over 4 to 8 Miles, per mile	-	-
(c)	Over 8 to 16 Miles, per mile	-	-
(d)	Over 16 to 25 Miles, per mile	-	-
(e)	Over 25 to 50 Miles, per mile	-	-
(f)	Over 50 to 100 Miles, per mile	-	-
(g)	Over 100 Miles, per mile	-	-
(9)	Group (for use with WA1 and WA1T),[2]		
(10)	20 kHz (for use with WA3)[1]		
(11)	13 kHz (for use with WA4)[1]		
(12)	19.2 kbps (for use with WD1)[1]		
(13)	50.0 kbps (for use with WD2)[1]		
(14)	230.4 kbps (for use with WD3)[1]		
(15)	56.0 kbps (for use with WD4)[1]		

[1] Rates and Charges based on individual cases will apply.
[2] For WA1T, two are required

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. For method of determining mileage, see 7.4.5 and 10. (Cont'd)
   a. Fixed and Mileage Charges applicable (Cont'd)
      (16) Digital Data 1 (for use with DA1)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$143.70	$-
(b)	Over 4 to 8 Miles, per mile	184.00	2.30
(c)	Over 8 to 16 Miles, per mile	184.00	2.30
(d)	Over 16 to 25 Miles, per mile	184.00	2.30
(e)	Over 25 to 50 Miles, per mile	184.00	2.30
(f)	Over 50 to 100 Miles, per mile	184.00	2.30
(g)	Over 100 Miles, per mile	184.00	2.30

2. Digital Data 2 (for use with DA2)

(a)	0 to 4 Miles, per mile	151.05	-
(b)	Over 4 to 8 Miles, per mile	193.30	2.80
(c)	Over 8 to 16 Miles, per mile	193.30	2.80
(d)	Over 16 to 25 Miles, per mile	193.30	2.80
(e)	Over 25 to 50 Miles, per mile	193.30	2.80
(f)	Over 50 to 100 Miles, per mile	193.30	2.80
(g)	Over 100 Miles, per mile	193.30	2.80

3. Digital Data 3 (for use with DA3)

(a)	0 to 4 Miles, per mile	182.80	-
(b)	Over 4 to 8 Miles, per mile	212.15	3.10
(c)	Over 8 to 16 Miles, per mile	212.15	3.10
(d)	Over 16 to 25 Miles, per mile	212.15	3.10
(e)	Over 25 to 50 Miles, per mile	212.15	3.10
(f)	Over 50 to 100 Miles, per mile	212.15	3.10
(g)	Over 100 Miles, per mile	212.15	3.10

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. For method of determining mileage, see 7.4.5 and 10. (Cont'd)
   a. Fixed and Mileage Charges applicable (Cont'd)
4. Digital Data 4 (for use with DA4)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$384.80	$-
(b)	Over 4 to 8 Miles, per mile	360.05	8.00
(c)	Over 8 to 16 Miles, per mile	360.05	8.00
(d)	Over 16 to 25 Miles, per mile	360.05	8.00
(e)	Over 25 to 50 Miles, per mile	360.05	8.00
(f)	Over 50 to 100 Miles, per mile	360.05	8.00
(g)	Over 100 Miles, per mile	360.05	8.00

5. DS1 - 1.544 Mbps (for use with HC1[1] and interLATA only Dedicated Access Line Service)

(a)	0 to 4 Miles, per mile	26.85	30.00
(b)	Over 4 to 8 Miles, per mile	26.85	30.00
(c)	Over 8 to 16 Miles, per mile	26.85	30.00
(d)	Over 16 to 25 Miles, per mile	26.85	30.00
(e)	Over 25 to 50 Miles, per mile	26.85	30.00
(f)	Over 50 to 100 Miles, per mile	26.85	30.00
(g)	Over 100 Miles, per mile	26.85	30.00

6. DS1C - 3.152 Mbps (for use with HC1C[1,2])
7. DS2 - 6.312 Mbps (for use with HC2[1,2])
8. DS3 - 44.736 Mbps (for use with HC3[1,2])
9. DS4 - 274.176 Mbps (for use with HC4[1,2])

[1] Additional applications are obtainable through the use of suitable multiplexing at the Hub.
[2] Rates and charges based on individual cases will apply.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions

A. Facility Interface Combinations

1. Narrowband Services

Facility Interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(a)	DC/DC (NB1, 2 and 3)	$-	$123.00	$46.00
(b)	TT/TT (NB4)	3.85	268.50	169.50
(c)	DB 10/TT (NB4)	3.85	268.50	169.50
(d)	DB 10/IA (NB5)	6.00	268.50	169.50
(e)	AH/DC[1] (NB2)	-	123.00	46.00
(f)	AH/TT[1] (NB4)	3.85	268.50	169.50
(g)	AH/IA[1] (NB5)	6.00	268.50	169.50
(h)	DS/DC[2] (NB2)	-	123.00	46.00
(i)	DS/TT[2] (NB4)	3.85	268.50	169.50
(j)	DS/IA[2] (NB5)	6.00	268.50	169.50

2. Voice Grade Services

Facility interfaces are specified in the order of IC/End User

(a)	AB/AC (VG2)	.65	147.00	44.00
(b)	AB/SF (VG2)	-	141.50	38.50
(c)	AH/AC (VG2)[3,4]	.65	147.00	44.00
(d)	AH/DA (VG5, 6, 10 & 12)[4]	-	141.50	38.50
(e)	AH/DE (VG5)[4]	-	141.50	38.50
(f)	AH/DX (VG9)[4]	-	141.50	38.50
(g)	AH/DY (VG3, 7, & 8)[4]	-	141.50	38.50
(h)	AH/EA (VG3, 7, 8, & 9)[5]	2.75	160.50	57.50

[1] Requires intermediate DS1 to Voice multiplexor.
[2] Requires intermediate multiplexing.
[3] Requires intermediate DS1 to Voice multiplexor.
[4] Requires intermediate Group to Voice multiplexor.
[5] Requires intermediate Group to Voice multiplexor

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(i)	AH/EB (VG3, 7, 8, & 9)[1]	$2.75	$160.50	$57.50
(j)	AH/GO (VG1)	-	141.50	38.50
(k)	AH/GS (VG1, 3, & 7)[1]	-	141.50	38.50
(l)	AH/LA (VG2 & 7)[1]	2.60	156.50	53.50
(m)	AH/LB (VG2 & 7)[1]	1.75	151.00	48.00
(n)	AH/LC (VG2 & 7)[1]	.20	143.00	40.00
(o)	AH/LO (VG1, 2 & 7)[1]	-	141.50	38.50
(p)	AH/LR (VG2)[1]	3.70	156.50	53.50
(q)	AH/LS (VG1, 2, 5, 6, 7, 9, 10, & 12)[1]	-	141.50	38.50
(r)	AH/NO (VG1, 2, 5, 6, 7, & 9)[1]	-	141.50	38.50
(s)	AH/RV (VG3, & 7)[1]	-	141.50	38.50
(t)	AH/SF (VG2, 3, 7, 8 & 9)	-	141.50	38.50
(u)	AH/TF (VG11)[1]	-	141.50	38.50
(v)	DA/DA (VG10)	-	141.50	38.50
(w)	DB/DA (VG6, 10 & 12)	-	141.50	38.50
(x)	DB/NO (VG6)	-	141.50	38.50
(y)	DD/DE (VG5)	-	141.50	38.50
(z)	DS/AC (VG2)[1]	.65	147.00	44.00

[1] Requires intermediate Group to Voice multiplexor.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(aa)	DS/DA (VG5, 6, 10 & 12) [1]	$141.50	$38.50	$-
(bb)	DS/DE (VG5) [1]	-	141.50	38.50
(cc)	DS/DX (VG9) [1]	-	141.50	38.50
(dd)	DS/DY (VG3, 7, & 8) [1]	-	141.50	38.50
(ee)	DS/EA (VG3, 7, 8, & 9) [1]	2.75	160.50	57.50
(ff)	DS/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(gg)	DS/GO (VG1)[1]	-	141.50	38.50
(hh)	DS/GS (VG1, 3, & 7)[1]	-	141.50	38.50
(ii)	DS/LA (VG2 & 7)[1]	2.60	156.50	53.50
(jj)	DS/LB (VG2 & 7)[1]	1.75	151.00	48.00
(kk)	DS/LC (VG2 & 7)[1]	.20	143.00	40.00
(ll)	DS/LO (VG1, 2, & 7)[1]	-	141.50	38.50
(mm)	DS/LR (VG2)[1]	3.70	156.50	53.50
(nn)	DS/LS (VG2, 2, 3, 7, & 8)[1]	-	141.50	38.50
(oo)	DS/NO (VG1, 2, 5, 6, 7, & 9)[1]	-	141.50	38.50
(pp)	DS/RV (VG3 & 7)[1]	-	141.50	38.50

[1] Requires intermediate DS1 to Voice multiplexor.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(qq)	DS/SF (VG2, 3, 7, 8 & 9)[1]	$-	$141.50	$38.50
(rr)	DS/TF (VG11)[1]	-	141.50	-
(ss)	DX/DX (VG9)	-	-	38.50
(tt)	DX/DY (VG3, 7, & 8)	-	141.50	38.50
(uu)	DX/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(vv)	DX/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(ww)	DX/LA (VG2 & 7)	2.60	156.50	53.50
(xx)	DX/LB (VG2 & 7)	1.75	151.00	48.00
(yy)	DX/LC (VG2 & 7)	.20	143.00	40.00
(zz)	DX/LO (VG2 & 7)	-	141.50	38.50
(aaa)	DX/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(bbb)	DX/RV (VG3 & 7)	-	141.50	38.50
(ccc)	DX/SF (VG2, 3, 7, 8, & 9)	-	141.50	38.50
(ddd)	EA/AC (VG2)	65	147.00	44.00
(eee)	EA/DX (VG9)	-	141.50	38.50
(fff)	EA/DY (VG3, 7, & 8)	-	141.50	38.50
(ggg)	EA/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(hhh)	EA/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50

[1] Requires intermediate DS1 to Voice multiplexor.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(iii)	EA/LA (VG2 & 7)	2.60	156.50	53.50
(jjj)	EA/LB (VG2 & 7)	1.75	151.00	48.00
(kkk)	EA/LC (VG2 & 7)	.20	143.00	40.00
(lll)	EA/LO (VG2 &7)	-	141.50	38.50
(mmm)	EA/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(nnn)	EA/RV (VG3 & 7)	-	141.50	38.50
(ooo)	EA/SF (VG2, 3, 7, 8 & 9)	-	141.50	38.50
(ppp)	EB/AC (VG2)	.65	147.00	44.00
(qqq)	EB/DX (VG9)	-	141.50	38.50
(rrr)	EB/DY (VG3, 7, & 8)	-	141.50	38.50
(sss)	EB/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(ttt)	EB/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(uuu)	EB/LA (VG2 & 7)	2.60	156.50	53.50
(vvv)	EB/LB (VG2 & 7)	1.75	151.00	48.00
(www)	EB/LC (VG2 & 7)	.20	143.00	40.00
(xxx)	EB/LO (VG2 & 7)	-	141.50	38.50
(yyy)	EB/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(zzz)	EB/RV (VG3 & 7)	-	141.50	38.50

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(aaaa)	EB/SF (VG2, 3, 7, 8, & 9)	$-	$141.50	$38.50
(bbbb)	EC/DY (VG3, 7, & 8)	-	141.50	38.50
(cccc)	EC/EA (VG3, 7, & 8)	2.75	160.50	57.50
(dddd)	EC/EB (VG3, 7, & 8)	2.75	160.50	57.50
(eeee)	EC/SF (VG3, 7 & 8)	-	141.50	38.50
(ffff)	EX/GS (VG3 & 7)	-	141.50	38.50
(gggg)	EX/LA (VG2 & 7)	2.60	156.50	53.50
(hhhh)	EX/LB (VG2 & 7)	1.75	151.00	48.00
(iiii)	EX/LC (VG2 & 7)	-	143.00	40.00
(jjjj)	EX/LO (VG1, 2, & 7)	-	141.50	38.50
(kkkk)	EX/LR (VG2)	3.70	156.50	53.50
(llll)	EX/LS (VG1, 2, 3, & 7)	-	141.50	38.50
(mmmm)	EX/SF (VG1, 3, & 7)		141.50	38.50
(nnnn)	GO/GS (VG1, 3, & 7)	-	141.50	38.50
(oooo)	GO/SF (VG3 & 7)	-	141.50	38.50

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(pppp)	GS/GO (VG1)	$-	$141.50	$38.50
(qqqq)	LO/LS (VG1, 2, 3, 7, & 8)	-	141.50	38.50
(rrrr)	LO/SF (VG2, 3, & 7)	-	141.50	38.50
(ssss)	LR/LR (VG2)	3.70	156.50	53.50
(tttt)	LR/SF (VG2)	-	141.50	
(uuuu)	LS/LA (VG2 & 7)	2.60	156.50	53.50
(vvvv)	LS/LB (VG2 & 7)	1.75	151.00	48.00
(wwww)	LS/LC (VG2 & 7)	.20	143.00	40.00
(xxxx)	LS/LO (VG1, 2, & 7)	-	141.50	38.50
(yyyy)	LS/SF (VG2)	-	141.50	38.50
(zzzz)	NO/DA (VG6, 10, & 12)	-	141.50	38.50
(aaaaa)	NO/NO (VG1, 2, 5, 6, 7, & 9)	-	141.50	38.50
(bbbbb)	RV/RV (VG3 & 7)	-	141.50	38.50
(ccccc)	RV/SF (VG3 & 7)	-	141.50	38.50
(ddddd)	SF/AC (VG2)	.65	147.00	44.00
(eeeee)	SF/DX (VG9)	-	141.50	38.50
(fffff)	SF/DY (VG3, 7, & 8)	-	141.50	38.50

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(ggggg)	SF/EA (VG3, 7, 8, & 9)	$2.75	$160.50	$57.50
(hhhhh)	SF/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(iiiii)	SF/GS (VG1, 3, & 7)	-	141.50	38.50
(jjjjj)	SF/LA (VG2, & 7)	$2.60	$156.50	$53.50
(kkkkk)	SF/LB (VG2 & 7)	1.75	151.00	48.00
(llll)	SF/LC (VG2 & 7)	.20	143.00	40.00
(mmmmm)	SF/LO (VG1 & 2)		141.50	38.50
(nnnnn)	SF/LR (VG2)	3.70	156.50	53.50
(ooooo)	SF/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(ppppp)	SF/RV (VG3 & 7)	-	141.50	38.50
(qqqqq)	SF/SF (VG2, 3, 7, 8, & 9)	-	141.50	38.50
(rrrrr)	TF/TF (VG11)	-	141.50	38.50

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

3. Wideband Analog Services[1]

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
Facility Interfaces are specified in the order of IC/End User				
(a)	AH D/AH B (WA1)	$-	$-	$-
(b)	AH C/AH B (WA1)	-	-	-
(c)	AH B/AH B (WA1)	-	-	-
(d)	AH C/AH C (WA2)	-	-	-
(e)	AH D/AH C (WA2)	-	-	-
(f)	AH D/AH D (WA2A)	-	-	-
(g)	WD 1/WA 1 (WA3)	-	-	-
(h)	WD 2/WA 1 (WA3)	-	-	-
(i)	WD 3/WA 2 (WA4)	-	-	-

4. Wideband Digital Services[2]

Facility Interfaces are specified in the order of IC/End User				
(a)	WB 19S/WC 19 (WD1)	-	-	-
(b)	WB 18S/WC 18 (WD1)	-	-	-
(c)	WB 19A/WC 19 (WD1)	-	-	-
(d)	WB 50S/WC 50 (WD2)	-	-	-
(e)	WB 40S/WC 40 (WD2)	-	-	-
(f)	WB 50A/WC 50 (WD2)	-	-	-
(g)	WB 23S/WC 23S (WD3)	-	-	-
(h)	WB 23A/WC 23 (WD3)	-	-	-
(i)	WB 64/DU 56 (WD4)	-	-	-
(j)	DO/DU 56 (WD4)	-	-	-

[1] Wideband Analog Services will be rated and provided on an individual case basis.
[2] Wideband Digital Services will be rated and provided on an individual case basis.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

5. Digital Data Access Services

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
Facility Interfaces are specified in the order of IC/End User				
(a)	DU 24/DU 24 (DA1)	$-	$180.00	$61.00
(b)	DS/DU 24[1] (DA1)	-	180.00	61.00
(c)	DU 48/DU 48 (DA2)	-	180.00	58.00
(d)	DS/DU 48[1] (DA2)	-	180.00	58.00
(e)	DU 96/DU 96 (DA3)	-	195.00	76.00
(f)	DS/DU96[1] (DA3)	-	195.00	76.00
(g)	DU 56/DU 56 (DA4)	-	210.00	90.00
(h)	DS/DU 56[1] (DA4)	-	$210.00	$90.00

6. High Capacity Services

Facility Interfaces are specified in the order IC/End User				
(a)	DS 15/DU (HC1)	24.10	287.93	162.00
(b)	DS 31/DS 31 (HC1C)[2]	-	-	-
(c)	DS 31/DS 15 (HC1C)[2]	-	-	-
(d)	DS 63/DS 63 (HC2)[2,3]	-	-	-
(e)	DS 63/DS 15 (HC2)	-	-	-
(f)	DS 44/DS 44 (HC3)[2,3]	-	-	-
(g)	DS 44/DS 15 (HC3)[2]	-	-	-
(h)	DS 27/DS 27 (HC4)[2,3]	-	-	-
(i)	DS 27/DS 15 (HC4)[2]	-	-	-

[1] Digital Data Carrier Multiplexing Equipment is required.
[2] Rates and Charges based on individual case will apply.
[3] Available only from an IC terminal location to another IC terminal location or to a Hub.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

B. Voice Grade Performance

1. Performance, Per two-point service or each section (i.e., midlink or end link) of a multipoint service.

		Monthly Rate	First Service	Nonrecurring Charge (To Install Service) Each Additional Identical Service
(a)	VG1	$7.35	$53.00	$53.00
(b)	VG2	19.30	68.00	68.00
(c)	VG3	-	-	-
(d)	VG5	12.85	56.00	56.00
(e)	VG6	27.70	105.00	105.00
(f)	VG7	19.30	68.00	68.00
(g)	VG8	19.30	68.00	68.00
(h)	VG9	19.50	105.00	105.00
(i)	VG10	20.45	105.00	105.00
(j)	VG11	7.35	53.00	53.00
(k)	VG12	7.35	53.00	53.00

C. Hub Functions

1. Multiplexing

a. DS4 to DS1 arrangement

(1) An arrangement that provides a 274.176 Mbps capacity to multiplex, on a digital time division basis, 168 DS1 channels. (available with HC4)

		Monthly Rate	Nonrecurring Charge
(a)	Per arrangement	$2,815.56	$1,465.73

b. DS3 to DS1 arrangement

(1) An arrangement that provides a 44.736 Mbps capacity to multiplex, on a digital time division basis, 28 DS1 channels. (available with HC3)

(a)	Per arrangement	299.92	370.68

c. DS2 to DS1 arrangement

(1) An arrangement that provides a 6.312 Mbps capacity to multiplex, on a digital time division basis, four DS1 channels. (available with HC2)

(a)	Per arrangement	99.92	182.96

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

1. Multiplexing (Cont'd)

d. DS1C to DS1 arrangement

(1) An arrangement that provides a 3.152 Mbps capacity to multiplex, on a digital time division basis, two DS1 channels. (available with HC1C)

		Monthly Rate	Nonrecurring Charge
(a)	Per arrangement	$20.69	$167.32

e. Group to DS1 arrangement[1]

(1) An arrangement that provides two group capacities (i.e., WA1T) to multiplex to a DS1 level. (Available with WA1T)

(a)	Per arrangement	-	-

f. DS1 to Voice arrangement

(1) An arrangement that provides a 1.544 Mbps capacity to multiplex, on a digital time division basis, 24 Voice or Digital Data[2] grade channels. (Available with HC1)

(a)	Per arrangement	103.24	151.68

g. Group to Voice arrangement

(1) An arrangement that provides a Group capacity to multiplex, on a frequency division basis, 12 Voice grade channels. (Available with WA1)

(a)	Per arrangement[1]	-	-

h. Digital Data Multiplexing (Required with Digital Data Access service with DS facility interface at IC terminal location).

(1) Carrier Multiplexing Unit

- an arrangement that provides a 1.544 Mbps capacity to multiplex on a digital time division basis, 23 64 kbps channels.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Per Unit	$150.95	$140.47	$-

[1] Rates and charges based on individual case will apply.
[2] Digital Data channels are only available from the serving wire center serving the Company designator digital Hub. Digital Data or DS1 is used only as a component of DA1-4.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

1. Multiplexing (Cont'd)

(2) Carrier Multiplexing Plug-Ins

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(3)				
(a)	Per 64 kbps channel equipped[1]	$1.56	$53.09	$135.20
(4)	Carrier Sub-Multiplexing Unit: an arrangement that provides a 64 kbps capacity to multiplex on a digital time division basis, subspeed Digital Data Access Services.			
(a)	Twenty 2.4 kbps services	146.39	88.66	167.03
(b)	Ten 4.8 kbps services	75.45	70.88	151.12
(c)	Five 9.6 kbps services	52.45	70.88	151.12

2. Bridging

a. Narrowband Bridges

(1) Two-Wire Bridging (available with NB1-3)

		Monthly Rate	Nonrecurring Charge
(a)	Per Port	$-	$-
(2)	Telegraph Bridging (available with NB4 and NB5)		
(a)	Two Wire, per Port	-	-
(b)	Four Wire, per Port	-	-

b. Voice Grade Bridges

(1)	Voice Bridging (available with VG2 & 12)		
(a)	Two Wire, per Port	30.80	102.00
(b)	Four Wire, per Port	30.80	102.00
(2)	Data Bridging (available with VG5, 6, & 10)		
(a)	Two Wire, per Port	$9.10	$58.00
(b)	Four Wire, per Port	9.10	58.00
(3)	Telephoto Bridging (available with VG11)		
(a)	Two Wire, per Port	30.80	102.00
(b)	Four Wire, per Port	30.80	102.00

[1] Required with DS1 to Digital Data channels hub multiplexing capability (MQ1)

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

2. Bridging (Cont'd)

b. Voice Grade Bridges (Cont'd)

(4) Telemetry and Alarm Bridging (Available with VG5)

		Monthly Rate	Nonrecurring Charge
Split Band, Active Briding			
(a)	Channel Connections, per channel connected, Remote station channel connection, each	$2.60	$17.00
Passive Bridging			
(b)	Channel Connections, per channel connected[1]	2.60	17.00
	Summation, Active Bridging		
(c)	Channel Connections, per channel connected[1]	2.60	17.00

c. Digital Data Access Bridges (available with DA1-4)

(1) Central Office Bridge

(a)	Per Port	7.72	10.45

3. Digital Data Secondary Channel Capability

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Per Digital Data Access Connection and Special Access Line, each	$15.00	$-	$485.00

[1] Rates and charges based on individual case will apply.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions-Voice Grade Services

1. Conditioning

Conditioning provides more specific transmission characteristics for data or telephoto services. There are two types of data conditioning, C-Type and DA-Type. C-Type conditioning controls attenuation distortion and envelope delay distortion; DA-Type conditioning controls the signal to C-notched noise ratio and intermodulation distortion. Telephoto conditioning controls attenuation distortion and envelope delay distortion.

Conditioning is charged for on a per two-point service or each section (i.e., midlink or end link) of a multi-point basis. The parameters listed for each type of conditioning apply from point of interface to network interface. For two-point services the parameters apply to each service. For multipoint services, the parameters apply to any path between any two service terminal points. C-Type and DA-Type conditioning are available only for data services. C-Type and DA-Type conditioning may be combined on the same service.

Telephoto conditioning is available only for VG11 services.

a. C-Type Conditioning

(1) For the additional control of attenuation distortion and envelope delay distortion on data services.

(2) Attenuation Distortion (Frequency Response) Relative to 1004 Hz

Frequency Range (Hz)	Variation (dB)
400-2800	1.0 to 2.0
300-3000	1.0 to 3.0
300-3200	2.0 to 6.0

(3) Envelope Delay Distortion

Frequency Range (Hz)	Variation (micro seconds)
1000-2600	100
600-2600	300
500-2800	600

(4) C-Type Conditioning is available in VG6, 7 & 10.

		Monthly Rate	Nonrecurring Charge	
			Initial	Subsequent
(a)	C Type Conditioning, Per Two point Service or each section (i.e., midlink or end link) of a multipoint service.	$1.80	$9.00	$213.00

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions Voice Grade Services (Cont'd)

1. Conditioning (Cont'd)

b. DA-Type Conditioning

(1) For the control of signal to C-notched noise ratio and intermodulation distortion on data services. DA-Type conditioning is available for two-point services or three point multipoint services.

(2) The signal to C-notched noise ratio and intermodulation distortion parameters for DA-Type conditioning are:

Signal to C-Notched Noise Ratio 32 dB

(3) Intermodulation distortion:

Signal to second order modulation products (R2) is equal to or greater than 38 dB.
Signal to third order modulation products (R3) is equal to or greater than 42 dB.

(4) When a service equipped with DA-Type conditioning is used for voice communications, the quality of the voice transmission may not be satisfactory.

(5) DA-Type Conditioning is available with VG6, 7 and 10.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	DA Type Conditioning, Per Two Point Service or each section (i.e., mid link or end link) of a multipoint service.	$15.00	$372.00	$576.00

c. Telephoto Conditioning

(1) For the control of attenuation distortion and envelope delay distortion on telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Conditioning are:

Attenuation Distortion
(1004 Hz Reference)

Frequency Range (Hz)	Variation (db)
500 3000	0.5 to +1.5
300 3200	1.0 to +2.5

Envelope Delay Distortion

Frequency Range (Hz)	Variation (mcs)
1000 2600	110
800 2800	180

(2) Telephoto Conditioning is available with VG11 only.

(a)	Telephoto Conditioning, Per Two Point Service or each section (i.e., midlink or end link) of a multipoint service	-	-	-

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions Voice Grade Services (Cont'd)

2. Improved return loss for effective two-wire transmission at the end user's premises

a. Available with VG2, 3 and 7

(1) This option is applicable to all interfaces except E&M, SF & DX when the impedance code 2 is specified. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Improved Return Loss, Per end user premises, per service which this option is available.	$1.95	$13.59	$39.80

3. Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available.

(a)	Improved Return Loss, Per IC terminal location, per service	1.95	24.68	50.89

4. IC specified end user premises receive level within a range acceptable to the Company on effective four-wire transmission. (Available with VG2, 3, 7, 8 & 9)

(a)	Specified receive level, per end user premises, per service	-	9.63	35.84

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

E. Optional Features and Functions - Dedicated Access Line Service

1. Two-Wire Improved Voice Transmission Parameters: (the guaranteed levels are set forth in 7.2.1.F.4.b. preceding)

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a) Per service	$6.43	$11.04	$460.89

2. Four-Wire Improved Voice Transmission Parameters:

(the guaranteed levels are set forth in 7.2.1.F.4.c. preceding)

(a) Per service	6.43	11.04	460.89

F. Optional Features and Functions - Digital Data Access Services

1. Loop Transfer Arrangement

a. An arrangement that affords the end user an additional measure of protection to its access channel(s) on a 1 x N basis. This arrangement is only available from a Company designated digital hub. A key activated control service is required to operate the transfer arrangement. This control service must be separately ordered.

(1) Available with DA1, 2, 3 and 4.

(a) Transfer Arrangement, each	16.92	87.96	186.33

G. Optional Features and Functions - High Capacity Services

1. Automatic Protection Switching

a. Switching equipment placed at both ends of a duplicate standby service to automatically switch the standby service to the active state in the event of service failure. Duplicate 1.544 Mbps Service must also be ordered.

(1) Available with HC1.

(a) Per Arrangement	281.15	68.27	159.66

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines

A. Two-Wire[1]

1. For use with NB1-5, VG1-12 and AP1-4

		Monthly Rate
(a)	Two Wire Special Access Line, each	$13.05

2. For use with Dedicated Access Line Service

		Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a)	Two wire Special Access Line, each	$34.00	$141.00	$64.00

B. Four-Wire1

1. For use with NB4-5, VG1-12 and DA1-4

		Monthly Rate
(a)	Four Wire Special Access Line, each	$26.10

2. For use with Dedicated Access Line Service

		Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a)	Four wire Special Access Line, each	$45.00	$157.00	$80.00

C. Group[1,2]

1. For use with WA1

		Monthly Rate
(a)	Group Special Access Line, each	$-

D. 20 kHz[3,4]

1. For use with WA3

(a)	20 kHz Special Access Line, each	-

[1] See 7.4.2 preceding for application of Special Access Service Surcharge.
[2] Rates and Charges based on individual cases will apply.
[3] See 7.4.2 preceding for application of Special Access Service Surcharge.
[4] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines (Cont'd)

E. 13 kHz[1,2]

1. For use with WA4

		Monthly Rate
(a)	13 kHz Special Access Line, each	$-

F. 19.2 kbps[1,2]

1. For use with WD1

(a)	19.2 kbps Special Access Line, each	-

G. 50 kbps[1,2]

1. For use with WD2

(a)	50 kbps Special Access Line, each	-

H. 230.4 kbps[1,2]

1. For use with WD3

(a)	230.4 kbps Special Access Line, each	-

I. 56 kbps[1,2]

1. For use with WD4

(a)	56 kbps Special Access Line, each	-

J. **L.** DS1 - 1.544 Mbps[1]

1. For use with HC1

(a)	DS1 1.544 Mbps Special Access Line, each	110.83

K. DS1C - 3.152 Mbps[1,2]

1. For use with HC1C

(a)	DS1C 3.152 Mbps Special Access Line, each	-

L. DS2 - 6.312 Mbps[1,2]

1. For use with HC2

(a)	DS2 6.312 Special Access Connection, each	-

M. DS3 - 44.736 Mbps[1,2]

1. For use with HC3

(a)	DS3 44.736 Mbps Special Access Line, each	-

N. DS4 - 274.176 Mbps[1,2]

1. For use with HC4

(a)	DS4 274.176 Mbps Special Access Line, each	-

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[1] See 7.4.2 preceding for application of Special Access Service Surcharge.
[2] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines (Cont'd)

O. Optional Feature

1. Hybrid

Provides conversion from four-wire SAL to two-wire termination at end user premises. Required to meet effective four-wire performance with a two-wire end user premises facility interface.

		Monthly Rate	Nonrecurring Charge
(a)	Hybrid, each	$-	$-

P. Special Access Service Surcharge[1]

1. Per voice equivalent channel (non DAL), billed to the IC

		Monthly Rate
(a)	each	$25.00

2. Per DAL, billed to the IC

(a)	each	-

22.4.5 Voice Grade Service

A. Channel Termination

1. Per Point of Termination

		Monthly Rate	Nonrecurring Charge
(a)	Two Wire	$33.12	$223.24
(b)	Four Wire	46.81	223.24

B. Channel Mileage

1. Mileage Facility

(a)	Per Mile	2.41	-

2. Mileage Terminal

(a)	Per Terminal	14.09	-

[1] See 7.4.2 preceding for application of Special Access Service Surcharge.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

C. Optional Features and Functions

1. Bridging

a. Two-Wire/Four-Wire

(1) Per Port

		Monthly Rate	Nonrecurring Charge
(2)			
(a)	Two Wire	$4.33	$-
(b)	Four Wire	4.33	-

b. Data Bridging, Two-Wire/Four-Wire

(1)	Per Port		
(a)	Two Wire	4.33	-
(b)	Four Wire	4.33	-

c. Telephoto Bridging, Two-Wire/Four-Wire

(1)	Per Port		
(a)	Two Wire	4.33	-
(b)	Four Wire	4.33	-

d. Addressable Arrangement

(1)	Per channel connected		
(a)	Two Wire	25.80	-
(b)	Four Wire	131.35	-

e. Telemetry/Alarm Bridging Service (TABS) Bridging

(1)	Per channel connected		
(a)	Split Band	9.12	-
(b)	Summation	1.55	-
(c)	Passive	0.23	-

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

C. Optional Features and Functions (Cont'd)

2. Conditioning, Per Terminal

		Monthly Rate	Nonrecurring Charge
(a)	C Type	$6.45	$
(b)	Sealing Current	-	-
3. Improved Return Loss			
(1)	Per Terminal		
(a)	Two Wire	1.91	-
(b)	Four Wire	1.91	-
4. Customer Specified Receive Level, Per Terminal			
(a)	Two Wire		
5. Multiplexing, Voice to Telegraph			
(a)	Per Arrangement	245.68	-
6. Data Capability			
(a)	Per Terminal	1.44	247.03
7. Telephoto Conditioning			
(a)	Per Terminal	3.19	247.03
8. Signaling Capability			
(a)	Per Terminal	14.89	-
9. Selective Signaling Arrangement			
(a)	Per Arrangement	15.92	-
10. Transfer Arrangement			
(a)	Key Activated or Dial up, Per Four Port Arrangement	3.41	-
D. Public Packet Switching Network (PPSN)			
1. Interface Arrangement			
(a)	Per Arrangement[1]	-	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.6 Video Service

A. Channel Terminal

1. Per Terminal

		Monthly Rates	Daily Rates	Nonrecurring Charges Monthly	Nonrecurring Charges Daily
(a)	TV 1 or 2	$436.39	$240.01	$-	$-
(b)	4TV 5	425.75	234.16	-	-
(c)	6TV 5	452.39	248.81	-	-
(d)	TV 15	469.48	258.27	-	-

B. Channel Mileage

1. Facility

(a)	TV 1 or 2	399.69	-	219.83	-
(b)	4TV 5	399.69	-	219.83	-
(c)	6TV 5	399.69	-	219.83	-
(d)	TV 15	399.69	-	219.83	-

2. Per Terminal, Each

(a)	Over 0 to 4	425.71	-	234.14	-
(b)	Over 4 to 8	425.71	-	234.14	-
(c)	Over 8 to 25	425.71	-	234.14	-
(d)	Over 25 to 50	425.71	-	234.14	-

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.7 Digital Data Access Service

A. Channel Terminal

1. Per Terminal

		Monthly Rate	Nonrecurring Charge
(a)	2.4 Kbps	$105.97	$311.64
(b)	4.8 Kbps	105.97	311.64
(c)	9.6 Kbps	105.97	311.64
(d)	56.0 Kbps	105.97	311.64

B. Channel Mileage

1. Facility, Per Mile

(a)	2.4 Kbps	2.41	-
(b)	4.8 Kbps	2.41	-
(c)	.6 Kbps	2.41	-
(d)	56.0 Kbps	2.41	-

2. Terminal, Each

(a)	2.4 Kbps	14.09	-
(b)	4.8 Kbps	14.09	-
(c)	9.6 Kbps	14.09	-
(d)	56.0 Kbps	14.09	-

C. Optional Features and Functions

1. Bridging

(a)	Per Port	26.93	-

2. Loop Transfer Arrangement (Key Activated or Dial-up)

(a)	Per Four Port Arrangement	6.75	-

D. Public Packet Switching Network (PPSN)

1. Interface Arrangement

(a)	Per 9.6 Kbps[1] Arrangement	-	-
(b)	Per 56.0 Kbps[1] Arrangement	-	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.7 Digital Data Access Service (Cont'd)

E. Channel Service Unit

1. Per Terminal

		Monthly Rate	Nonrecurring Charge
(a)	2.4 Kbps	$18.60	$-
(b)	4.8 Kbps	19.88	-
(c)	9.6 Kbps	20.85	-
(d)	56.0 Kbps	21.73	-

22.4.8 High Capacity Service

A. Channel Terminal

1. Per Terminal

(a)	1.544 Mbps	271.17	381.10
(b)	3.152 Mbps[1]	-	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

B. Channel Mileage

1. Facility, Per Mile

(a)	1.544 Mbps	1.29	-
(b)	3.152 Mbps	31.91	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

2. Terminal, Each

(a)	1.544 Mbps	17.77	-
(b)	3.152 Mbps	178.15	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.8 High Capacity Service (Cont'd)

C. Optional Features and Functions

1. Multiplexing

a. DS4 to DS1

(1) Per Arrangement

	Monthly Rate	Nonrecurring Charge
(a) Each[1]	$ -	$ -
(b) DS3 to DS1	-	-
(2) Per Arrangement		
(a) Each[1]	-	-
b. DS2 to DS1		
(1) Per Arrangement		
(a) Each[1]	-	-
c. DS1C to DS1		
(1) Per Arrangement		
(a) Each[1]	-	-
d. DS1 to Voice		
(1) Per Arrangement		
(a) Each	360.44	-
e. DS1 to DS0		
(1) Per Arrangement		
(a) Each	624.91	-
f. DS0 to Subrates		
(1) Per Arrangement		
(a) Up to 20 2.4 Kbps services	511.06	-
(b) Up to 10 4.8 Kbps services	263.41	-
(c) Up to 5 9.6 Kbps services	183.12	-
2. Automatic Loop Transfer		
(a) Per Arrangement	440.03	-
3. Transfer Arrangement		
(a) Key Activated or Dial up, Per Four Port Arrangement	187.03	

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

4. Network Channel Terminating Equipment, Per Terminal

(a)	1.544 Mbps	96.02	-
(b)	Automatic Loop Transfer	1,013.35	-

22.4.9 Transfer of Service

A. Service Rearrangements

1. Special Access Circuits

		Nonrecurring Charge
(a)	Per Billing Account Number	$140.00
(b)	Per circuit	7.00

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges

22.5.1 Charges for Additional Engineering

A. The charges for additional engineering are as follows:

1. Engineering Consultation and Engineering of Connections with other telephone companies (if not Concurring Carriers):

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic time, regularly scheduled work hours, Per Engineer	$66.00	$39.79
(b)	Overtime, outside of regularly scheduled work hours, Per Engineer	73.41	47.20

22.5.2 Charges for Additional Labor

A. The charges for additional labor are as follows:

1. Overtime Installation or Repair

(a)	Overtime, outside of regularly scheduled working hours on a scheduled work day,[1] Per Technician	29.31	3.10

2. Stand by, Testing and Maintenance with other telephone companies (if not Concurring Carriers) or Other Labor

(a)	Basic time, regularly scheduled working hours, per Technician	-	17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day[1], per Technician	-	21.01
(c)	Premium time, outside of scheduled work day[1], per Technician	-	24.12

[1] A call out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.2 Charges for Additional Labor (Cont'd)

A. The charges for additional labor are as follows: (Cont'd)

3. Other Labor (or Testing and Maintenance with other telephone companies, if they are not Concurring carriers)

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic Time regularly scheduled working hours, per technician	$44.12	$17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day, [1] per technician	47.22	21.01
(c)	Premium Time, outside of scheduled work day, [1] Per Technician	50.33	24.12

22.5.3 Maintenance of Services

A. The maintenance of service charges are as follows:

1. The charges for maintenance of service are as follows:

(a)	Basic time, regularly scheduled working hours, per technician	44.12	17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day, per technician[1]	47.22	21.01
(c)	Premium time, outside of scheduled work day, per technician[1]	50.33	24.12

22.5.4 Restoration Priority

		Nonrecurring Charge
(a)	Restoration Priority, per Service arranged	$104.02

[1] A call out of a Company employee at a time not consecutive with the employee's scheduled work period subject to a minimum charge of four hours.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.5 Presubscription

A. The nonrecurring charge for Presubscription is as follows:

1. Presubscription, per Telephone Exchange Service line or trunk

		Nonrecurring Charge
(a)	Each[1,2]	$5.00

22.5.6 Testing Service

1. Switched Access

a. Additional Cooperative Acceptance Testing

(1) Testing Rates, per technician

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic Time (Regularly scheduled work hours.)	$43.75	$17.54
(b)	Overtime (Outside regularly scheduled work hours on a scheduled work day.)	47.02	20.81
(c)	Premium Time (Outside scheduled work day.)[3]	50.29	24.08

b. Automatic Scheduled Testing (AST)

(1) To first point of switching, per test ordered, per year

		Monthly Rate
(a)	1004 Hz Loss[4,5,6] ,per transmission path	$0.06
(b)	C Message Noise [4,5,6] per transmission path	0.06
(c)	Return Loss (Balance) [4,5,6] per transmission path	0.06
(d)	Gain Slope[4] per transmission path	0.06
(e)	C Notched Noise, per transmission path	0.06

[1] This charge is billed to the end user which is the subscriber to the telephone exchange service.
[2] This charge is billed when the pre-designated IC is an intrastate IC. If the IC is an interstate/intrastate carrier then this rate will apply in lieu of the same rate in the appropriate interstate tariff.
[3] A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.
[4] The IC may specify a more frequent schedule of tests, 60 days prior to the start of the IC prescribed schedule.
[5] These three test represent the minimum offering, i.e., an order for testing must at a minimum, consist of twelve 1004Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The additional test listed may be ordered by the IC at additional charges, 60 days prior to the start of the IC presubscribed schedule.
[6] Subject to a one year minimum contract period.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

1. Switched Access (Cont'd)

c. Cooperative Scheduled Testing (CST)

		Monthly Rate
(1)	To first point of switching, per test ordered, per year	
(a)	1004 Hz Loss, [1,2,3] per transmission path	$0.34
(b)	C Message Noise,[1,2,3] per transmission path	0.25
(c)	Return Loss (Balance), [1,2,3] per transmission path	0.55
(d)	Gain Slope, per transmission path	0.34
(e)	C Notched Noise, per transmission path	0.25

d. Manual Scheduled Testing (MST)

(1)	To first point of switching, per test ordered, per year	
(a)	1004 Hz Loss,[1,2,3] per transmission path	0.90
(b)	C Message Noise, [1,2,3] per transmission path	0.59
(c)	Return Loss (Balance), [1,2,3] per transmission path	1.20
(d)	Gain Slope, per transmission path	0.90
(e)	C Notched Noise, per transmission path	0.59

[1] The IC may specify a more frequent schedule of tests, 60 days prior to the start of the IC prescribed schedule.
[2] These three test represent the minimum offering, i.e., an order for testing must at a minimum, consist of twelve 1004Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The additional test listed may be ordered by the IC at additional charges, 60 days prior to the start of the IC presubscribed schedule.
[3] Subject to a one year minimum contract period.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

1. Switched Access (Cont'd)
   e. Nonscheduled Testing (NST)
      (1) Cooperative Testing:

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic, regularly scheduled work hours, per technician	$43.75	$17.54
(b)	Overtime, outside regularly scheduled work hours on a scheduled work day, per technician	47.02	20.81
(c)	Premium, outside scheduled work day, per technician[1]	50.29	24.08

      (2) Manual Testing

(a)	Basic, regularly scheduled work hours, per technician	43.93	17.72
(b)	Overtime, outside regularly scheduled work hours on a scheduled work day, per technician	47.12	20.91
(c)	Premium, outside scheduled work day, per technician[1]	50.31	24.10

      (3) Automatic Testing, to first point of switching, per test performed:

		Rate
(a)	1004 Hz Loss	$12.44
(b)	C Message Noise	12.44
(c)	Return Loss (Balance)	12.44
(d)	Gain Slope	12.44
(e)	C Notched Noise	12.44

2. Special Access
   a. Additional Cooperative Acceptance Testing (ACAT)
      (1) Applies to the following tests:

VG1 through 3: Attenuation Distortion, C-Message Noise and Balance (Return Loss)

VG6 through 12: Attenuation Distortion, C-Message Noise, Balance (Return Loss), Impulse Noise, Phase Jitter, Intermodulation Distortion, Envelope Delay Distortion and Frequency Shift

[1] A call-out of a Company employee at a time no consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

2. Special Access (Cont'd)

a. Additional Cooperative Acceptance Testing (ACAT) (Cont'd)

(1) Applies to the following tests: (Cont'd)

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic time, regularly scheduled work hours, per technician	$44.12	$17.91
(b)	Overtime, outside or regularly scheduled work hours on a scheduled work day, per technician	47.22	21.01
(c)	Premium time, outside of scheduled work day, per technician[1]	50.33	24.12

b. Nonscheduled Testing (NST)

(1) Testing Rates, per technician

(a)	Basic time (Regularly scheduled work hours)	44.12	17.91
(b)	Overtime (Outside regularly scheduled work hours on a scheduled work day)	47.22	21.01
(c)	Premium time (Outside scheduled work day)[1]	50.33	24.12

22.5.7 Provision of Access Service Billing Information

A. The IC will receive its monthly bills in standard paper format or electronic format.

B. Additional copies of the IC monthly bill or service and features record may be provided in standard paper format of electronic format.

(a) Per page $ -

[1] A call-out of a Company employee at a time no consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.8 Equal Access Subscription

A. The nonrecurring charges for a change in IntraLATA Subscription are as follows:

1. Subscription change when not performed simultaneously with interLATA PIC change to the same carrier, per line or trunk

		Nonrecurring Charge
(a)	billed to the end user or pay telephone location provider or its authorized agent	$5.00
(b)	billed to the end user or pay telephone location provider or its authorized agent	1.25

2. Subscription change when performed simultaneously with the interLATA PIC change to the same carrier, per line or trunk

(a)	billed to the end user or pay telephone location provider or its authorized agent	5.00
(b)	billed to the end user or pay telephone location provider or its authorized agent	0.62

B. The nonrecurring charge for an unauthorized change in IntraLATA Subscription is as follows:

1. Unauthorized Subscription Change

(a)	per business or residence line or trunk[1]	19.41
(b)	billed to the end user or pay telephone location provider or its authorized agent	0.62

[1] If an unauthorized change in IntraLATA and InterLATA Subscription occurs at the same time, on the same Business, Residence line or trunk, and the Subscribed IC is the same IC for IntraLATA and InterLATA Subscription, the IC will be assessed one unauthorized Subscription charge as provided in the National Exchange Carrier Association's Tariff FCC No. 5, Section 17.4.4. In addition, the IC will be assessed the applicable PIC change charge for returning the end user or location provider or its authorized agent to their preferred intraLATA subscribed IC as provided in 22.5.7.A. preceding. Additionally, the applicable PIC change charge, as provided in National Exchange Carrier Association's Tariff FCC No. 5, Section 17.4.4 will be assessed to the IC to return the end user or location provider or its authorized agent to their previous authorized carrier.

22. RATES AND CHARGES – Atlantic Telephone Membership Corporation

22.6 IntraLATA Toll Originating Responsibility Plan (ITORP)

A. Access compensation rates, IntraLATA toll DA and Billing and Collection rates are specified following. For other applicable access charges, refer to the intrastate switched access charges specified in the applicable Access Tariff on file for the terminating LEC.

1. IntraLATA Toll

		Rate
(a)	Directory Assistance, per call	$0.500000

B. Network Compensation Rates

(a)	Rates Per Minute of Use	0.001963

22. RATES AND CHARGES – Piedmont Telephone

22.1 Carrier Common Line Access

A. The rate for Intrastate Carrier Common Line Access is:

1. Carrier Common Line Charge

a. Originating Access Minutes

(a) Per Minute $-

b. Terminating Access Minute

(a) Per Minute -

22.2 Ordering Options for Switched Access and Special Access Service

		Nonrecurring Charge
(1)	Service Date Change	
(a)	Service Date Change Charge, per Order	$26.21
(2)	Other Modification Change	
(a)	Per Order	26.21
(3)	Planned Facilities Order Modification Charge	
(a)	Per Order	26.21

22.3 Switched Access Service

22.3.1 Minimum Monthly Usage Charge (MMUC)

A. The Minimum Monthly Usage Charge (the minimum transport charge) varies by mileage band and capacity.

The MMUC is as follows:

	Mileage Bands	Minimum Transport Charge per BHMC[1]
(a)	0 to 1	$0.3300
(b)	Over 1 to 8	0.7575
(c)	Over 8 to 16	0.8775
(d)	Over 16 to 25	0.9450
(e)	Over 25 to 50	1.5225
(f)	Over 50 to 100	2.1225
(g)	Over 100	3.3975

[1] BHMC is the Access Connections busy hour minutes of capacity provided to the end office.

22. RATES AND CHARGES – Piedmont Telephone

22.3 Switched Access Service (Cont'd)

22.3.2 Access Connections

A. Installation of New Service

1. Feature Group A

		Nonrecurring Charge
(a)	Per First Line	$640.00
(b)	Each Additional Line	135.00

2. Feature Groups B, C and D

(a)	Per First Trunk or Signaling Connection	915.00
(b)	Each Additional Trunk or Signaling Connection	272.00

3. Interface Groups

(a)	Group 1, Two-Wire path with Loop signaling	-
(b)	Group 2, Four-Wire path with Loop signaling	-
(c)	Group 6, DS1 level path with Bit Stream signaling	-
(d)	Group 7, DS1C level path with Bit Stream signaling	-
(e)	Group 8, DS2 level path with Bit Stream signaling	-
(f)	Group 9, DS3 level path with Bit Stream signaling	-
(g)	Group 10, DS4 level path with Bit Stream signaling	-

B. Interface Group Non-chargeable Optional Features

1. Supervisory Signaling

a. DX Supervisory Signaling arrangement
Per Transmission Path[1]

b. SF Supervisory Signaling arrangement
Per Transmission Path[2]

c. E&M Type I Supervisory Signaling arrangement
Per Transmission Path[1]

d. E&M Type II Supervisory Signaling arrangement
Per Transmission Path

[1] Available with Interface Groups 1 and 2.
[2] Available with Interface Groups 2 and 6 and 7

22. RATES AND CHARGES – Piedmont Telephone

22.3 Switched Access Service (Cont'd)

B. Interface Group Non-chargeable Optional Features (Cont'd)

1. Supervisory Signaling (Cont'd)

e. E&M Type III Supervisory Signaling arrangement

Per Transmission Path[1]

f. Tandem Supervisory Signaling arrangement

Per Transmission Path[2]

2. IC Specified Entry Switch Receive Level

a. IC specification of the receive transmission level at the first point of switching within a range acceptable to the Company[3]

Per Transmission Path

C. Network Blocking Charge, applies to FGD only.

		Rate
(a)	Per call blocked	$0.0076

22.3.3 Local Transport

A. Call Miles

(1) Usage Rate per Access Minute

		Per Access Minute
(a)	0 to 1	$-
(b)	Over 1 to 8	-
(c)	Over 8 to 16	-
(d)	Over 16 to 25	-
(e)	Over 25 to 50	-
(f)	Over 50 to 100	-
(g)	Over 100	-

B. Options

1. Provision of other than Company Selected

Traffic Routing (available with FGB, FGC and FGD)

a. Direct Trunking in lieu of Tandem Trunking

Per Transmission Path[4]

b. Tandem Trunking in lieu of Direct Trunking

Per Transmission Path[4]

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[1] Available with Interface Group 2 for FGC and FGD.
[2] Available with Interface Group 2 for FGA.
[3] Available with Interface Groups 2 through 7 for FGA and FGB.
[4] Rates and charges based on individual cases will apply.

22. RATES AND CHARGES – Piedmont Telephone

22.3 Switched Access Service (Cont'd)

22.3.3 Local Transport (Cont'd)

B. Options (Cont'd)

2. IC Specification of Feature Group Directionality (Available with FGB, FGC, FGD and FGE)[1]

   a. One Way Operation in lieu of Two Way Operation[4]

   b. Two Way Operation in lieu of One Way Operation[4]

3. IC Specification of a Local Transport Termination (Available with FGB with Type B Transmission Performance)

   a. Four Wire Termination in lieu of Two Wire Termination[4]

22.3.4 End Office

A. Local Switching

1. Per Access Minute (Includes Line Termination and Intercept)

		Rate Per Access Minute
(a)	Per Originating Access Minute of use	$-
(b)	Per Terminating Access Minute of use	-

2. Common Switching Nonchargeable Optional Features

   a. Call denial on line or hunt group, available with FGA

      Per Transmission Path or Transmission Path Group

   b. Service Code Denial on line or hunt group, available with FGA

      Per Transmission Path or Transmission Path Group

   c. Hunt Group Arrangement, available with FGA

      Per Transmission Path Group[2]

   d. Uniform Call Distribution Arrangement, available with FGA

      Per Transmission Path Group[1]

   e. Nonhunting Numbers for use with Hunt Group Arrangements or U.C.D.

      Arrangement available with FGA
      Per Transmission Path

   f. Automatic Number Identification, available with FGB, FGC and FGD

      Per Transmission Path Group[1]

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[1] For FGC this option is available only in electronic end offices.
[2] Optional features on an end office and/or access tandem basis are available only on an entire transmission path group.

22. RATES AND CHARGES – Piedmont Telephone

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

A. Local Switching (Cont'd)

2. Common Switching Nonchargeable Optional Features (Cont'd)

g. Up to 7 Digit Outpulsing of Access Digits to IC, available with FGB

Per Transmission Path Group[1]

h. Dial Pulse Address Signaling, available with FGC

Per Transmission Path Group

i. Service Class Routing, available with FGC and FGD

Per End Office and/or Access Tandem

j. Alternate Traffic Routing, Multiple Customer Premises Alternate Routing available with FGB, FGC and FGD

Per End Office and/or Access Tandem

End Office Alternate Routing, when ordered in trunks, available with FGB and FGD,

Per End office and/or Access Tandem

k. Trunk Access Limitation Arrangement, available with FGC and FGD

Per End Office

l. Call Gapping Arrangement, available with FGD

Per End Office

m. Band Advance Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path Group[1]

n. End Office Customer Line Service Screening on Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path

o. Hunt Group Arrangement for Dedicated Access Lines Service, available with FGC and FGD

Per Transmission Path Group

p. Uniform Call Distribution Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path Group

q. Nonhunting Number for use with Hunt Group Arrangement or U.C.D. Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path

[1] Optional features on an end office and/or access tandem basis are available only on an entire transmission path group.

22. RATES AND CHARGES – Piedmont Telephone

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

A. Local Switching (Cont'd)

3. Transport Termination Nonchargeable Options

a. Line Side Terminations for FGA

(1) Two Way Operation

-Dial Pulse with Loop Start
-Dial Pulse with Ground Start
-DTMF with Loop Start
-DTMF with Ground Start

(2) Terminating Operation

-Dial Pulse with Loop Start
-Dial Pulse with Ground Start
-DTMF with Loop Start
-DTMF with Ground Start

(3) Originating Operation

-Loop Start
-Ground Start

b. Standard Trunk for Originating, Terminating or Two Way operation, available with FGB, FGC and FGD

c. Rotary Dial Station Signaling Trunk, available with FGB

d. Operator Trunk, Non Coin available with FGC also available with FGC or FGD when used in conjunction with Operator Transfer Service

e. Operator Trunk, Full Feature Arrangement, available with FGD

22. RATES AND CHARGES – Piedmont Telephone

22.3 Switched Access Service (Cont'd)

22.3.5 800 Access Ten Digit Screening Service

A. 800 Access Ten Digit Screening Service

1. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with 800 Number Delivery

	Rate
(a) Per Query	$0.0055

2. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with 800 Number Delivery for 800 Numbers with Optional Complex Feature, i.e., Call Handling and Destination Features

(a) Per Query	0.0061

3. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with POTS Number Delivery

(a) Per Query	-

4. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with POTS Number Delivery for 800 Numbers with Optional Complex Feature, i.e., Call Handling and Destination Features

(a) Per Query	-

22. RATES AND CHARGES – Piedmont Telephone

22.3 Switched Access Service (Cont'd)

22.3.6 Service Rearrangements

			Rate
A.	Change of Service		
	1. Submitted on the Same ASR[1]		
	(a)	Per Request	$92.00
B.	Feature Group A		
	1. Line Side Service		
	(a)	Per transmission path[2]	10.00
C.	Feature Groups B, C and D		
	1. Trunk Side Service		
	(a)	Per transmission path2	5.00
D.	Common Block		
	1. Translations Related		
	(a)	Per End Office and Tandem Office Affected[2]	90.00
E.	500 Access Service		
	1. Change in dialing capability		
	(a)	Per NXX Per End Office and Tandem Office affected[2]	15.00

22.3.7 Transfer of Service

A.	Transfer of Service		
	1. Billing Account Number		
	(a)	Each	170.00
B.	Feature Group A		
	1. Line Side Service		
	(a)	Per Transmission Path[3]	7.00
C.	Feature Groups B, C and D		
	1. Trunk Side Service		
	(a)	Per Transmission Path[3]	8.00

[1] Services requested on multiple ASRs will be treated as one request when requirements, as specified in 6.1.7, are met.
[2] This charge is in addition to that set forth in 22.3.6.A.
[3] This charge is in addition to that set forth in 22.3.7.A.

22. RATES AND CHARGES – Piedmont Telephone

22.3 Switched Access Service (Cont'd)

22.3.8 500 Access Service

A. 500 Access Service

1. 500 Customer Identification

		Rate
(a)	Per Call	$0.01

2. Service Activation Charge - Per Company End Office Switch or Access Tandem in which translations are required

		Nonrecurring Charge
(a)	First NXX Code Submitted on ASR	$40.00
(b)	Additional NXX Code submitted on ASR	20.00

22.3.9 RESERVED FOR FUTURE USE

22.3.10 End Office

A. Premium

1. Residual Interconnection Charge

		Rate
(a)	Per Originating Access Minute of use	0.004776

2. Local Switching

a. Local Switching

(1) Feature Groups C & D (including: (1) Feature Group B when utilized for the provision of MTS/WATS service and (2) Feature Groups A and B when utilized for the provision of terminating inward WATS and WATS-type services at an equal access WATS Serving Office.Local Switching

(a)	Per Originating Access Minute	0.03520

3. Directory Assistance Information Surcharge

(a)	Per 100 Originating Access Minutes	0.02900

22.3.11 Tandem Transport

1. Tandem Switched Facility

		Rate
(a)	Per Originating Access Minute Per Mile	$0.000418

2. Tandem Switched Termination

(a)	Per Originating Access Minute Per Termination	0.002171

3. Tandem Switching

(a)	Per Originating Access Minute Per Tandem	0.005476

22. RATES AND CHARGES – Piedmont Telephone

22.4 Special Access Services

22.4.1 Access Connections

A. Two-Wire Access Connections

1. For use with NB1-5, VG1-12 and AP1-4

		Monthly Rate
(a)	Each Two Wire Access Connection	$1.40

B. Four-Wire Access Connections

1. For use with NB4-5, VG1-12 and DA1-4 with DU facility interface.

(a)	Each Four Wire Access Connection	2.80

C. Group Access Connections[1]

1. For use with WA1

(a)	Each group Access Connection	-

D. 20 kHz Access Connection[1]

1. For use with WA3

(a)	Each 20 kHz Access Connection	-

E. 13 kHz Access Connections[1]

1. For use with WA4

(a)	Each 13 kHz Access Connection	-

F. 19.2 kbps Access Connections[1]

1. For use with WD1

(a)	Each 19.2 kbps Access Connection	-

G. 50 kbps Access Connections[1]

1. For use with WD2

(a)	Each 50 kbps Access Connection	-

H. 230.4 kbps Access Connections[1]

1. For use with WD3

(a)	each 230.4 kbps Access Connection	-

I. 56 kbps Access Connections[1]

1. For use with WD4

(a)	Each 56 kbps Access Connection	-

[1] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.1 Access Connections (Cont'd)

J. DS1 - 1.544 Mbps Access Connections

	Monthly Rate
1. For use with HC1	
(a) Each DS1 Access Connection	$36.00
K. DS1C - 3.152 Mbps Access Connections[1]	
1. For use with HC1C	
(a) Each DS1C Access Connection	-
L. DS2 - 6.312 Mbps Access Connections[1]	
1. For use with HC2	
(a) Each DS2 Access Connection	-
M. DS3 - 44.736 Mbps Access Connections[1]	
1. For use with HC3	
(a) Each DS3 Access Connection	-
N. DS4 - 276.176 Mbps Access Connections[1]	
1. For use with HC4	
(a) Each DS4 Access Connection	-

[1] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport

A. Mileage measured between IC serving wire center to Hub, IC serving wire center to End User serving wire center or Hub to End User serving wire center.

1. For method of determining mileage, see 7.4.5 and 10.

a. Fixed and Mileage Charges applicable

(1) Two-wire metallic (for use with NB1-3)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$-	$6.40
(b)	Over 4 to 8 Miles, per mile	.80	6.40
(c)	Over8 to 16 Miles, per mile	.80	6.40
(d)	Over 16 to 25 Miles, per mile	.80	6.40
(e)	Over 25 to 50, per mile	.80	6.40
(f)	Over 50 to Miles, per mile	.80	6.40
(g)	Over 100 Miles, per mile	.80	6.40

(2) 75 Baud (for use with NB4)

(a)	0 to 4 Miles, per mile	-	5.45
(b)	Over 4 to 8 Miles, per mile	2.50	4.05
(c)	Over 8 to 16 Miles, per mile	11.95	2.65
(d)	Over 16 to 25 Miles, per mile	21.40	2.00
(e)	Over 25 to 50 Miles, per mile	39.50	1.25
(f)	Over 50 to 100 Miles, per mile	40.20	1.25
(g)	Over 100 Miles, per mile	40.20	1.25

(3) 150 Baud (for use with NB5)

(a)	0 to 4 Miles, per mile		5.45
(b)	Over 4 to 8 Miles, per mile	2.50	4.05
(c)	Over 8 to 16 Miles, per mile	11.95	2.65
(d)	Over 16 to 25 Miles, per mile	21.40	2.00
(e)	Over 25 to 50 Miles, per mile	39.50	1.25
(f)	Over 50 to 100 Miles, per mile	40.20	1.25
(g)	Over 100 Miles, per mile	47.70	1.25

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport

A. (Cont'd)

1. (Cont'd)

a. Fixed and mileage charges applicable (Cont'd)

(4) Two-Wire/Four-Wire Voice (for use with VG1-12 and interLATA only Dedicated Access Line Service)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$-	$8.09
(b)	Over 4 to 8 Miles, per mile	8.26	6.00
(c)	Over 8 to 16 Miles, per mile	25.75	3.82
(d)	Over 16 to 25 Miles, per mile	61.44	1.63
(e)	Over 25 to 50 Miles, per mile	61.44	1.63
(f)	Over 50 to 100 Miles, per mile	79.33	1.27
(g)	Over 100 Miles, per mile	79.33	1.27
(5)	3.5 kHz Audio (for use with AP1)		
(a)	0 to 4 Miles, per mile	-	6.45
(b)	Over 4 to 8 Miles, per mile	2.50	6.45
(c)	Over 8 to 16 Miles, per mile	2.50	6.45
(d)	Over 16 to 25 Miles, per mile	2.50	6.45
(e)	Over 25 to 50 Miles, per mile	2.50	6.45
(f)	Over 50 to 100 Miles, per mile	2.50	6.45
(g)	Over 100 Miles, per mile	2.50	6.45
(6)	5 kHz Audio (for use with AP2)		
(a)	0 to 4 Miles, per mile	-	6.45
(b)	Over 4 to 8 Miles, per mile	7.50	6.45
(c)	Over 8 to 16 Miles, per mile	7.50	6.45
(d)	Over 16 to 25 Miles, per mile	7.50	6.45
(e)	Over 25 to 50 Miles, per mile	7.50	6.45
(f)	Over 50 to 100 Miles, per mile	7.50	6.45
(g)	Over 100 Miles, per mile	7.50	6.45

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport

A. (Cont'd)

1. (Cont'd)

a. Fixed and mileage charges applicable (Cont'd)

(7) 8 kHz Audio (for use with AP3)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile		6.45
(b)	Over 4 to 8 Miles, per mile	6.90	6.45
(c)	Over 8 to 16 Miles, per mile	6.90	6.45
(d)	Over 16 to 25 Miles, per mile	6.90	6.45
(e)	Over 25 to 50 Miles, per mile	6.90	6.45
(f)	Over 50 to 100 Miles, per mile	6.90	6.45
(g)	Over 100 Miles, per mile	6.90	6.45

(8) 15 khz Audio (for use with AP4)[1]

(a)	0 to 4 Miles, per mile	-	-
(b)	Over 4 to 8 Miles, per mile	-	-
(c)	Over 8 to 16 Miles, per mile	-	-
(d)	Over 16 to 25 Miles, per mile	-	-
(e)	Over 25 to 50 Miles, per mile	-	-
(f)	Over 50 to 100 Miles, per mile	-	-
(g)	Over 100 Miles, per mile	-	-

(9) Group (for use with WA1 and WA1T),[2]

(10) 20 kHz (for use with WA3)[1]

(11) 13 kHz (for use with WA4)[1]

(12) 19.2 kbps (for use with WD1)[1]

(13) 50.0 kbps (for use with WD2)[1]

(14) 230.4 kbps (for use with WD3)[1]

(15) 56.0 kbps (for use with WD4)[1]

[1] Rates and Charges based on individual cases will apply.
[2] For WA1T, two are required

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport

A. (Cont'd)

1. (Cont'd)

a. Fixed and mileage charges applicable (Cont'd)

(16) Digital Data 1 (for use with DA1)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$143.70	$-
(b)	Over 4 to 8 Miles, per mile	184.00	2.30
(c)	Over 8 to 16 Miles, per mile	184.00	2.30
(d)	Over 16 to 25 Miles, per mile	184.00	2.30
(e)	Over 25 to 50 Miles, per mile	184.00	2.30
(f)	Over 50 to 100 Miles, per mile	184.00	2.30
(g)	Over 100 Miles, per mile	184.00	2.30

2. Digital Data 2 (for use with DA2)

(a)	0 to 4 Miles, per mile	151.05	-
(b)	Over 4 to 8 Miles, per mile	193.30	2.80
(c)	Over 8 to 16 Miles, per mile	193.30	2.80
(d)	Over 16 to 25 Miles, per mile	193.30	2.80
(e)	Over 25 to 50 Miles, per mile	193.30	2.80
(f)	Over 50 to 100 Miles, per mile	193.30	2.80
(g)	Over 100 Miles, per mile	193.30	2.80

3. Digital Data 3 (for use with DA3)

(a)	0 to 4 Miles, per mile	182.80	-
(b)	Over 4 to 8 Miles, per mile	212.15	3.10
(c)	Over 8 to 16 Miles, per mile	212.15	3.10
(d)	Over 16 to 25 Miles, per mile	212.15	3.10
(e)	Over 25 to 50 Miles, per mile	212.15	3.10
(f)	Over 50 to 100 Miles, per mile	212.15	3.10
(g)	Over 100 Miles, per mile	212.15	3.10

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport

A. (Cont'd)

4. Digital Data 4 (for use with DA4)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$384.80	$-
(b)	Over 4 to 8 Miles, per mile	360.05	8.00
(c)	Over 8 to 16 Miles, per mile	360.05	8.00
(d)	Over 16 to 25 Miles, per mile	360.05	8.00
(e)	Over 25 to 50 Miles, per mile	360.05	8.00
(f)	Over 50 to 100 Miles, per mile	360.05	8.00
(g)	Over 100 Miles, per mile	360.05	8.00

5. DS1 - 1.544 Mbps (for use with HC1[1] and interLATA only Dedicated Access Line Service)

(a)	0 to 4 Miles, per mile	26.85	30.00
(b)	Over 4 to 8 Miles, per mile	26.85	30.00
(c)	Over 8 to 16 Miles, per mile	26.85	30.00
(d)	Over 16 to 25 Miles, per mile	26.85	30.00
(e)	Over 25 to 50 Miles, per mile	26.85	30.00
(f)	Over 50 to 100 Miles, per mile	26.85	30.00
(g)	Over 100 Miles, per mile	26.85	30.00

6. DS1C - 3.152 Mbps (for use with HC1C[1])

   Rates and charges based on individual cases will apply.

7. DS2 - 6.312 Mbps (for use with HC2[1])

   Rates and charges based on individual cases will apply.

8. DS3 - 44.736 Mbps (for use with HC3[1])

   Rates and charges based on individual cases will apply.

9. DS4 - 274.176 Mbps (for use with HC4[1])

   Rates and charges based on individual cases will apply.

[1] Additional applications are obtainable through the use of suitable multiplexing at the Hub.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions

A. Facility Interface Combinations

1. Narrowband Services

Facility Interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(a)	DC/DC (NB1, 2 and 3)	$-	$123.00	$46.00
(b)	TT/TT (NB4)	3.85	268.50	169.50
(c)	DB 10/TT (NB4)	3.85	268.50	169.50
(d)	DB 10/IA (NB5)	6.00	268.50	169.50
(e)	AH/DC[1] (NB2)	-	123.00	46.00
(f)	AH/TT1 (NB4)	3.85	268.50	169.50
(g)	AH/IA1 (NB5)	6.00	268.50	169.50
(h)	DS/DC[2] (NB2)	-	123.00	46.00
(i)	DS/TT[2] (NB4)	3.85	268.50	169.50
(j)	DS/IA[2] (NB5)	6.00	268.50	169.50

2. Voice Grade Services

Facility interfaces are specified in the order of IC/End User

(a)	AB/AC (VG2)	.65	147.00	44.00
(b)	AB/SF (VG2)	-	141.50	38.50
(c)	AH/AC (VG2)[3,4]	.65	147.00	44.00
(d)	AH/DA (VG5, 6, 10 & 12)[4]	-	141.50	38.50
(e)	AH/DE (VG5)[4]	-	141.50	38.50
(f)	AH/DX (VG9)[4]	-	141.50	38.50
(g)	AH/DY (VG3, 7, & 8)[4]	-	141.50	38.50
(h)	AH/EA (VG3, 7, 8, & 9)[4]	2.75	160.50	57.50

[1] Requires intermediate DS1 to Voice multiplexor.
[2] Requires intermediate multiplexing.
[3] Requires intermediate DS1 to Voice multiplexor.
[4] Requires intermediate Group to Voice multiplexor.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(i)	AH/EB (VG3, 7, 8, & 9) [4]	$2.75	$160.50	$57.50
(j)	AH/GO (VG1) [4]	-	141.50	38.50
(k)	AH/GS (VG1, 3, & 7) [4]	-	141.50	38.50
(l)	AH/LA (VG2 & 7) [4]	2.60	156.50	53.50
(m)	AH/LB (VG2 & 7) [4]	1.75	151.00	48.00
(n)	AH/LC (VG2 & 7) [4]	.20	143.00	40.00
(o)	AH/LO (VG1, 2 & 7) [4]	-	141.50	38.50
(p)	AH/LR (VG2) [4]	3.70	156.50	53.50
(q)	AH/LS (VG1, 2, 5, 6, 7, 9, 10, & 12) [4]		141.50	38.50
(r)	AH/NO (VG1, 2, 5, 6, 7, & 9) [4]	-	141.50	38.50
(s)	AH/RV (VG3, & 7) [4]	-	141.50	38.50
(t)	AH/SF (VG2, 3, 7, 8 & 9)	-	141.50	38.50
(u)	AH/TF (VG11) [4]	-	141.50	38.50
(v)	DA/DA (VG10)	-	141.50	38.50
(w)	DB/DA (VG6, 10 & 12)	-	141.50	38.50
(x)	DB/NO (VG6)	-	141.50	38.50
(y)	DD/DE (VG5)	-	141.50	38.50
(z)	DS/AC (VG2) [1]	.65	147.00	44.00

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(aa)	DS/DA (VG5, 6, 10 & 12) [1]	$141.50	$38.50	$-
(bb)	DS/DE (VG5) [1]	-	141.50	38.50
(cc)	DS/DX (VG9) [1]	-	141.50	38.50
(dd)	DS/DY (VG3, 7, & 8) [1]	-	141.50	38.50
(ee)	DS/EA (VG3, 7, 8, & 9) [1]	2.75	160.50	57.50
(ff)	DS/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(gg)	DS/GO (VG1)[1]	-	141.50	38.50
(hh)	DS/GS (VG1, 3, & 7)[1]	-	141.50	38.50
(ii)	DS/LA (VG2 & 7)[1]	2.60	156.50	53.50
(jj)	DS/LB (VG2 & 7)[1]	1.75	151.00	48.00
(kk)	DS/LC (VG2 & 7)[1]	.20	143.00	40.00
(ll)	DS/LO (VG1, 2, & 7)[1]	-	141.50	38.50
(mm)	DS/LR (VG2)[1]	3.70	156.50	53.50
(nn)	DS/LS (VG2, 2, 3, 7, & 8)[1]	-	141.50	38.50
(oo)	DS/NO (VG1, 2, 5, 6, 7, & 9)[1]	-	141.50	38.50
(pp)	DS/RV (VG3 & 7)[1]	-	141.50	38.50

[1] Requires intermediate DS1 to Voice multiplexor.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(qq)	DS/SF (VG2, 3, 7, 8 & 9)[1]	$-	$141.50	$38.50
(rr)	DS/TF (VG11)[1]	-	141.50	-
(ss)	DX/DX (VG9)	-	-	38.50
(tt)	DX/DY (VG3, 7, & 8)	-	141.50	38.50
(uu)	DX/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(vv)	DX/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(ww)	DX/LA (VG2 & 7)	2.60	156.50	53.50
(xx)	DX/LB (VG2 & 7)	1.75	151.00	48.00
(yy)	DX/LC (VG2 & 7)	.20	143.00	40.00
(zz)	DX/LO (VG2 & 7)	-	141.50	38.50
(aaa)	DX/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(bbb)	DX/RV (VG3 & 7)	-	141.50	38.50
(ccc)	DX/SF (VG2, 3, 7, 8, & 9)	-	141.50	38.50
(ddd)	EA/AC (VG2)	65	147.00	44.00
(eee)	EA/DX (VG9)	-	141.50	38.50
(fff)	EA/DY (VG3, 7, & 8)	-	141.50	38.50
(ggg)	EA/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(hhh)	EA/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(iii)	EA/LA (VG2 & 7)	$2.60	$156.50	$53.50
(jjj)	EA/LB (VG2 & 7)	1.75	151.00	48.00
(kkk)	EA/LC (VG2 & 7)	.20	143.00	40.00
(lll)	EA/LO (VG2 &7)	-	141.50	38.50
(mmm)	EA/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(nnn)	EA/RV (VG3 & 7)	-	141.50	38.50
(ooo)	EA/SF (VG2, 3, 7, 8 & 9)	-	141.50	38.50
(ppp)	EB/AC (VG2)	.65	147.00	44.00
(qqq)	EB/DX (VG9)	-	141.50	38.50
(rrr)	EB/DY (VG3, 7, & 8)	-	141.50	38.50
(sss)	EB/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(ttt)	EB/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(uuu)	EB/LA (VG2 & 7)	2.60	156.50	53.50
(vvv)	EB/LB (VG2 & 7)	1.75	151.00	48.00
(www)	EB/LC (VG2 & 7)	.20	143.00	40.00
(xxx)	EB/LO (VG2 & 7)	-	141.50	38.50
(yyy)	EB/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(zzz)	EB/RV (VG3 & 7)	-	141.50	38.50

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(aaaa)	EB/SF (VG2, 3, 7, 8, & 9)	$-	$141.50	$38.50
(bbbb)	EC/DY (VG3, 7, & 8)	-	141.50	38.50
(cccc)	EC/EA (VG3, 7, & 8)	2.75	160.50	57.50
(dddd)	EC/EB (VG3, 7, & 8)	2.75	160.50	57.50
(eeee)	EC/SF (VG3, 7 & 8)	-	141.50	38.50
(ffff)	EX/GS (VG3 & 7)	-	141.50	38.50
(gggg)	EX/LA (VG2 & 7)	2.60	156.50	53.50
(hhhh)	EX/LB (VG2 & 7)	1.75	151.00	48.00
(iiii)	EX/LC (VG2 & 7)	-	143.00	40.00
(jjjj)	EX/LO (VG1, 2, & 7)	-	141.50	38.50
(kkkk)	EX/LR (VG2)	3.70	156.50	53.50
(llll)	EX/LS (VG1, 2, 3, & 7)	-	141.50	38.50
(mmmm)	EX/SF (VG1, 3, & 7)		141.50	38.50
(nnnn)	GO/GS (VG1, 3, & 7)	-	141.50	38.50
(oooo)	GO/SF (VG3 & 7)	-	141.50	38.50

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(pppp)	GS/GO (VG1)	$-	$141.50	$38.50
(qqqq)	LO/LS (VG1, 2, 3, 7, & 8)	-	141.50	38.50
(rrrr)	LO/SF (VG2, 3, & 7)	-	141.50	38.50
(ssss)	LR/LR (VG2)	3.70	156.50	53.50
(tttt)	LR/SF (VG2)	-	141.50	
(uuuu)	LS/LA (VG2 & 7)	2.60	156.50	53.50
(vvvv)	LS/LB (VG2 & 7)	1.75	151.00	48.00
(wwww)	LS/LC (VG2 & 7)	.20	143.00	40.00
(xxxx)	LS/LO (VG1, 2, & 7)	-	141.50	38.50
(yyyy)	LS/SF (VG2)	-	141.50	38.50
(zzzz)	NO/DA (VG6, 10, & 12)	-	141.50	38.50
(aaaaa)	NO/NO (VG1, 2, 5, 6, 7, & 9)	-	141.50	38.50
(bbbbb)	RV/RV (VG3 & 7)	-	141.50	38.50
(ccccc)	RV/SF (VG3 & 7)	-	141.50	38.50
(ddddd)	SF/AC (VG2)	.65	147.00	44.00
(eeeee)	SF/DX (VG9)	-	141.50	38.50
(fffff)	SF/DY (VG3, 7, & 8)	-	141.50	38.50

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(ggggg)	SF/EA (VG3, 7, 8, & 9)	$2.75	$160.50	$57.50
(hhhhh)	SF/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(iiiii)	SF/GS (VG1, 3, & 7)	-	141.50	38.50
(jjjjj)	SF/LA (VG2, & 7)	$2.60	$156.50	$53.50
(kkkkk)	SF/LB (VG2 & 7)	1.75	151.00	48.00
(lllll)	SF/LC (VG2 & 7)	.20	143.00	40.00
(mmmmm)	SF/LO (VG1 & 2)		141.50	38.50
(nnnnn)	SF/LR (VG2)	3.70	156.50	53.50
(ooooo)	SF/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(ppppp)	SF/RV (VG3 & 7)	-	141.50	38.50
(qqqqq)	SF/SF (VG2, 3, 7, 8, & 9)	-	141.50	38.50
(rrrrr)	TF/TF (VG11)	-	141.50	38.50

3. Wideband Analog Services[1]

(a)	Facility Interfaces are specified in the order of IC/End User			
(b)	AH D/AH B (WA1)	-	-	-
(c)	AH C/AH B (WA1)	-	-	-
(d)	AH B/AH B (WA1)	-	-	-
(e)	AH C/AH C (WA2)	-	-	-
(f)	AH D/AH C (WA2)	-	-	-
(g)	AH D/AH D (WA2A)	-	-	-
(h)	WD 1/WA 1 (WA3)	-	-	-
(i)	WD 2/WA 1 (WA3)	-	-	-
(j)	WD 3/WA 2 (WA4)	-	-	-

[1] Wideband Analog Services will be rated and provided on an individual case basis.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

4. Wideband Digital Services[1]

Facility Interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(a)	WB 19S/WC 19 (WD1)	$ -	$ -	$ -
(b)	WB 18S/WC 18 (WD1)	-	-	-
(c)	WB 19A/WC 19 (WD1)	-	-	-
(d)	WB 50S/WC 50 (WD2)	-	-	-
(e)	WB 40S/WC 40 (WD2)	-	-	-
(f)	WB 50A/WC 50 (WD2)	-	-	-
(g)	WB 23S/WC 23S (WD3)	-	-	-
(h)	WB 23A/WC 23 (WD3)	-	-	-
(i)	WB 64/DU 56 (WD4)	-	-	-
(j)	DO/DU 56 (WD4)	-	-	-

5. Digital Data Access Services

Facility Interfaces are specified in the order of IC/End User

(a)	DU 24/DU 24 (DA1)	$-	$180.00	$61.00
(b)	DS/DU 24[2] (DA1)	-	180.00	61.00
(c)	DU 48/DU 48 (DA2)	-	180.00	58.00
(d)	DS/DU 48[1] (DA2)	-	180.00	58.00
(e)	DU 96/DU 96 (DA3)	-	195.00	76.00
(f)	DS/DU96[1] (DA3)	-	195.00	76.00
(g)	DU 56/DU 56 (DA4)	-	210.00	90.00
(h)	DS/DU 56[3] (DA4)	-	$210.00	$90.00

[1] Wideband Digital Services will be rated and provided on an individual case basis.
[2] Digital Data Carrier Multiplexing Equipment is required.
[3] Digital Data Carrier Multiplexing Equipment is required.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

6. High Capacity Services

Facility Interfaces are specified in the order IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(a)	DS 15/DU (HC1)	$24.10	$287.93	$162.00
(b)	DS 31/DS 31 (HC1C)[1]	-	-	-
(c)	DS 31/DS 15 (HC1C)[2]	-	-	-
(d)	DS 63/DS 63 (HC2)[2,2]	-	-	-
(e)	DS 63/DS 15 (HC2)	-	-	-
(f)	DS 44/DS 44 (HC3)[2,3]	-	-	-
(g)	DS 44/DS 15 (HC3)[2]	-	-	-
(h)	DS 27/DS 27 (HC4)[2,3]	-	-	-
(i)	DS 27/DS 15 (HC4)[2]	-	-	-

B. Voice Grade Performance

1. Performance, Per two-point service or each section (i.e., midlink or end link) of a multipoint service.

		Monthly Rate	Nonrecurring Charge (To Install Service) First Service	Nonrecurring Charge (To Install Service) Each Additional Identical Service
(a)	VG1	$7.35	$53.00	$53.00
(b)	VG2	19.30	68.00	68.00
(c)	VG3	-	-	-
(d)	VG5	12.85	56.00	56.00
(e)	VG6	27.70	105.00	105.00
(f)	VG7	19.30	68.00	68.00

[1] Rates and Charges based on individual case will apply.
[2] Available only from an IC terminal location to another IC terminal location or to a Hub.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

B. Voice Grade Performance (Cont'd)

1. (Cont'd)

		Monthly Rate	Nonrecurring Charge (To Install Service) First Service	Nonrecurring Charge (To Install Service) Each Additional Identical Service
(g)	VG8	19.30	68.00	68.00
(h)	VG9	19.50	105.00	105.00
(i)	VG10	20.45	105.00	105.00
(j)	VG11	7.35	53.00	53.00
(k)	VG12	7.35	53.00	53.00

C. Hub Functions

1. Multiplexing

a. DS4 to DS1 arrangement

(1) An arrangement that provides a 274.176 Mbps capacity to multiplex, on a digital time division basis, 168 DS1 channels. (available with HC4)

		Monthly Rate	Nonrecurring Charge
(a)	Per arrangement	$2,815.56	$1,465.73

b. DS3 to DS1 arrangement

(1) An arrangement that provides a 44.736 Mbps capacity to multiplex, on a digital time division basis, 28 DS1 channels. (available with HC3)

(a)	Per arrangement	299.92	370.68

c. DS2 to DS1 arrangement

(1) An arrangement that provides a 6.312 Mbps capacity to multiplex, on a digital time division basis, four DS1 channels. (available with HC2)

(a)	Per arrangement	99.92	182.96

d. DS1C to DS1 arrangement

(1) An arrangement that provides a 3.152 Mbps capacity to multiplex, on a digital time division basis, two DS1 channels. (available with HC1C)

(a)	Per arrangement	20.69	167.32

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

1. Multiplexing (Cont'd)

h. (Cont'd)

e. Group to DS1 arrangement[1]

(1) An arrangement that provides two group capacities (i.e., WA1T) to multiplex to a DS1 level. (Available with WA1T)

		Monthly Rate	Nonrecurring Charge
(a)	Per arrangement	$-	$-

f. DS1 to Voice arrangement

(1) An arrangement that provides a 1.544 Mbps capacity to multiplex, on a digital time division basis, 24 Voice or Digital Data[2] grade channels. (Available with HC1)

(a)	Per arrangement	103.24	151.68

g. Group to Voice arrangement

(1) An arrangement that provides a Group capacity to multiplex, on a frequency division basis, 12 Voice grade channels. (Available with WA1)

(a)	Per arrangement[1]	-	-

h. Digital Data Multiplexing (Required with Digital Data Access service with DS facility interface at IC terminal location).

(1) Carrier Multiplexing Unit

- an arrangement that provides a 1.544 Mbps capacity to multiplex on a digital time division basis, 23 64 kbps channels.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Per Unit	$150.95	$140.47	$-

(2) Carrier Multiplexing Plug-Ins

(a)	Per 64 kbps channel equipped[3]	1.56	53.09	135.20

(3) Carrier Sub-Multiplexing Unit: an arrangement that provides a 64 kbps capacity to multiplex on a digital time division basis, subspeed Digital Data Access Services.

(a)	Twenty 2.4 kbps services	146.39	88.66	167.03
(b)	Ten 4.8 kbps services	75.45	70.88	151.12
(c)	Five 9.6 kbps services	52.45	70.88	151.12

[1] Rates and charges based on individual case will apply.
[2] Digital Data channels are only available from the serving wire center serving the Company designator digital Hub. Digital Data or DS1 is used only as a component of DA1-4.
[3] Required with DS1 to Digital Data channels hub multiplexing capability (MQ1)

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

2. Bridging

a. Narrowband Bridges

(1) Two-Wire Bridging (available with NB1-3)

	Monthly Rate	Nonrecurring Charge
(a) Per Port	$-	$-
(2) Telegraph Bridging (available with NB4 and NB5)		
(a) Two Wire, per Port	-	-
(b) Four Wire, per Port	-	-
b. Voice Grade Bridges		
(1) Voice Bridging (available with VG2 & 12)		
(a) Two Wire, per Port	30.80	102.00
(b) Four Wire, per Port	30.80	102.00
(2) Data Bridging (available with VG5, 6, & 10)		
(a) Two Wire, per Port	$9.10	$58.00
(b) Four Wire, per Port	9.10	58.00
(3) Telephoto Bridging (available with VG11)		
(a) Two Wire, per Port	30.80	102.00
(b) Four Wire, per Port	30.80	102.00
(4) Telemetry and Alarm Bridging (Available with VG5)		
Split Band, Active Briding		
(a) Channel Connections, per channel connected, Remote station channel connection, each	2.60	17.00
Passive Bridging		
(b) Channel Connections, per channel connected[1]	2.60	17.00
Summation, Active Bridging		
(c) Channel Connections, per channel connected[1]	2.60	17.00
c. Digital Data Access Bridges (available with DA1-4)		
(1) Central Office Bridge		
(a) Per Port	7.72	10.45

[1] Rates and charges based on individual case will apply.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

3. Digital Data Secondary Channel Capability

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Per Digital Data Access Connection and Special Access Line, each	$15.00	$-	$485.00

D. Optional Features and Functions-Voice Grade Services

1. Conditioning

Conditioning provides more specific transmission characteristics for data or telephoto services. There are two types of data conditioning, C-Type and DA-Type. C-Type conditioning controls attenuation distortion and envelope delay distortion; DA-Type conditioning controls the signal to C-notched noise ratio and intermodulation distortion. Telephoto conditioning controls attenuation distortion and envelope delay distortion.

Conditioning is charged for on a per two-point service or each section (i.e., midlink or end link) of a multi-point basis. The parameters listed for each type of conditioning apply from point of interface to network interface. For two-point services the parameters apply to each service. For multipoint services, the parameters apply to any path between any two service terminal points. C-Type and DA-Type conditioning are available only for data services. C-Type and DA-Type conditioning may be combined on the same service.

Telephoto conditioning is available only for VG11 services.

a. C-Type Conditioning

(1) For the additional control of attenuation distortion and envelope delay distortion on data services.

(2) Attenuation Distortion (Frequency Response) Relative to 1004 Hz

Frequency Range (Hz)	Variation (dB)
400-2800	1.0 to 2.0
300-3000	1.0 to 3.0
300-3200	2.0 to 6.0

(3) Envelope Delay Distortion

Frequency Range (Hz)	Variation (micro seconds)
1000-2600	100
600-2600	300
500-2800	600

(4) C-Type Conditioning is available in VG6, 7 & 10.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	C Type Conditioning, Per Two point Service or each section (i.e., midlink or end link) of a multipoint service.	$1.80	$9.00	$213.00

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions Voice Grade Services (Cont'd)

1. Conditioning (Cont'd)

b. DA-Type Conditioning

(1) For the control of signal to C-notched noise ratio and intermodulation distortion on data services. DA-Type conditioning is available for two-point services or three point multipoint services.

(2) The signal to C-notched noise ratio and intermodulation distortion parameters for DA-Type conditioning are:

Signal to C-Notched Noise Ratio 32 dB

(3) Intermodulation distortion:

Signal to second order modulation products (R2) is equal to or greater than 38 dB.
Signal to third order modulation products (R3) is equal to or greater than 42 dB.

(4) When a service equipped with DA-Type conditioning is used for voice communications, the quality of the voice transmission may not be satisfactory.

(5) DA-Type Conditioning is available with VG6, 7 and 10.

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a) DA Type Conditioning, Per Two Point Service or each section (i.e., mid link or end link) of a multipoint service.	$15.00	$372.00	$576.00

c. Telephoto Conditioning

(1) For the control of attenuation distortion and envelope delay distortion on telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Conditioning are:

Attenuation Distortion
(1004 Hz Reference)

Frequency Range (Hz)	Variation (db)
500 3000	0.5 to +1.5
300 3200	1.0 to +2.5

Envelope Delay Distortion

Frequency Range (Hz)	Variation (mcs)
1000 2600	110
800 2800	180

(2) Telephoto Conditioning is available with VG11 only.

(a) Telephoto Conditioning, Per Two Point Service or each section (i.e., midlink or end link) of a multipoint service	-	-	-

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

2. Improved return loss for effective two-wire transmission at the end user's premises

   a. Available with VG2, 3 and 7

      (1) This option is applicable to all interfaces except E&M, SF & DX when the impedance code 2 is specified. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Improved Return Loss, Per end user, premises per service which this option is available.	$1.95	$13.59	$39.80

3. Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available.

(a)	Improved Return Loss, Per IC terminal location, per service	$1.95	$24.68	$50.89

4. IC specified end user premises receive level within a range acceptable to the Company on effective four-wire transmission. (Available with VG2, 3, 7, 8 & 9)

(a)	Specified receive level, per end user premises, per service	-	9.63	35.84

E. Optional Features and Functions - Dedicated Access Line Service

1. Two-Wire Improved Voice Transmission Parameters: (the guaranteed levels are set forth in 7.2.1.F.4.b. preceding)

(a)	Per service	6.43	11.04	460.89

2. Four-Wire Improved Voice Transmission Parameters: (the guaranteed levels are set forth in 7.2.1.F.4.c. preceding)

(a)	Per service	6.43	11.04	460.89

F. Optional Features and Functions - Digital Data Access Services

1. Loop Transfer Arrangement

   a. An arrangement that affords the end user an additional measure of protection to its access channel(s) on a 1 x N basis. This arrangement is only available from a Company designated digital hub. A key activated control service is required to operate the transfer arrangement. This control service must be separately ordered.

      (1) Available with DA1, 2, 3 and 4.

(a)	Transfer Arrangement, each	16.92	87.96	186.33

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

G. Optional Features and Functions - High Capacity Services

1. Automatic Protection Switching

a. Switching equipment placed at both ends of a duplicate standby service to automatically switch the standby service to the active state in the event of service failure. Duplicate 1.544 Mbps Service must also be ordered.

(1) Available with HC1.

		Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a)	Per Arrangement	$281.15	$68.27	$159.66

22.4.4 Special Access Lines

A. Two-Wire[1]

1. For use with NB1-5, VG1-12 and AP1-4

		Monthly Rate
(a)	Two Wire Special Access Line, each	$13.05

2. For use with Dedicated Access Line Service

		Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a)	Two wire Special Access Line, each	34.00	141.00	64.00

B. Four-Wire[1]

1. For use with NB4-5, VG1-12 and DA1-4

		Monthly Rate
(a)	Four Wire Special Access Line, each	$26.10

2. For use with Dedicated Access Line Service

		Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a)	Four wire Special Access Line, each	$45.00	$157.00	$80.00

C. Group[1,2]

1. For use with WA1

[1] See 7.4.2 preceding for application of Special Access Service Surcharge.
[2] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

		Monthly Rate
(a)	Group Special Access Line, each	$-

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines (Cont'd)

		Monthly Rate
D.	20 kHz[1,2]	
	1. For use with WA3	
	(a) 20 kHz Special Access Line, each	$ -
E.	13 kHz[3,4]	
	1. For use with WA4	
	(a) 13 kHz Special Access Line, each	-
F.	19.2 kbps[3,4]	
	1. For use with WD1	
	(a) 19.2 kbps Special Access Line, each	-
G.	50 kbps[3,4]	
	1. For use with WD2	
	(a) 50 kbps Special Access Line, each	-
H.	230.4 kbps[3,4]	
	1. For use with WD3	
	(a) 230.4 kbps Special Access Line, each	-
I.	56 kbps[3,4]	
	1. For use with WD4	
	(a) 56 kbps Special Access Line, each	-
J.	**L.** DS1 - 1.544 Mbps[3]	
	1. For use with HC1	
	(a) DS1 1.544 Mbps Special Access Line, each	110.83
K.	DS1C - 3.152 Mbps[3,4]	
	1. For use with HC1C	
	(a) DS1C 3.152 Mbps Special Access Line, each	-
L.	DS2 - 6.312 Mbps[3,4]	
	1. For use with HC2	
	(a) DS2 6.312 Special Access Connection, each	-

[1] See 7.4.2 preceding for application of Special Access Service Surcharge.
[2] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines (Cont'd)

M. DS3 - 44.736 Mbps[3,4]

		Monthly Rate
1. For use with HC3		
(a)	DS3 44.736 Mbps Special Access Line, each	$-

N. DS4 - 274.176 Mbps[3,4]

1. For use with HC4		
(a)	DS4 274.176 Mbps Special Access Line, each	-

O. Optional Feature

1. Hybrid

Provides conversion from four-wire SAL to two-wire termination at end user premises. Required to meet effective four-wire performance with a two-wire end user premises facility interface.

		Monthly Rate	Nonrecurring Charge
(a)	Hybrid, each	$-	$-

P. Special Access Service Surcharge[1]

1. Per voice equivalent channel (non DAL), billed to the IC

		Monthly Rate
(a)	each	$25.00

2. Per DAL, billed to the IC

(a)	each	-

22.4.5 Voice Grade Service

A. Channel Termination

1. Per Point of Termination

		Monthly Rate	Nonrecurring Charge
(a)	Two Wire	$33.12	$223.24
(b)	Four Wire	46.81	223.24

[1] See 7.4.2 preceding for application of Special Access Service Surcharge.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

B. Channel Mileage

1. Mileage Facility

	Monthly Rate	Nonrecurring Charge
(a) Per Mile	$2.41	$-
2. Mileage Terminal		
(a) Per Terminal	14.09	-
C. Optional Features and Functions		
1. Bridging		
a. Two-Wire/Four-Wire		
(1) Per Port		
(a) Two Wire	4.33	-
(b) Four Wire	4.33	-
b. Data Bridging, Two-Wire/Four-Wire		
(1) Per Port		
(a) Two Wire	4.33	-
(b) Four Wire	4.33	-
c. Telephoto Bridging, Two-Wire/Four-Wire		
(1) Per Port		
(a) Two Wire	4.33	-
(b) Four Wire	4.33	-
d. Addressable Arrangement		
(1) Per channel connected		
(a) Two Wire	25.80	-
(b) Four Wire	131.35	-
e. Telemetry/Alarm Bridging Service (TABS) Bridging		
(1) Per channel connected		
(a) Split Band	9.12	-
(b) Summation	1.55	-
(c) Passive	0.23	-

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

C. Optional Features and Functions (Cont'd)

2. Conditioning, Per Terminal

	Monthly Rate	Nonrecurring Charge
(a) C Type	$6.45	$-
(b) Sealing Current	-	-
3. Improved Return Loss		
(1) Per Terminal		
(a) Two Wire	1.91	-
(b) Four Wire	1.91	-
4. Customer Specified Receive Level, Per Terminal		
(a) Two Wire		
5. Multiplexing, Voice to Telegraph		
(a) Per Arrangement	245.68	-
6. Data Capability		
(a) Per Terminal	1.44	247.03
7. Telephoto Conditioning		
(a) Per Terminal	3.19	247.03
8. Signaling Capability		
(a) Per Terminal	14.89	-
9. Selective Signaling Arrangement		
(a) Per Arrangement	15.92	-
10. Transfer Arrangement		
(a) Key Activated or Dial up, Per Four Port Arrangement	3.41	-

D. Public Packet Switching Network (PPSN)

1. Interface Arrangement

(a) Per Arrangement[1]

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.6 Video Service

A. Channel Terminal

1. Per Terminal

		Monthly Rates	Daily Rates	Nonrecurring Charges Monthly	Nonrecurring Charges Daily
(a)	TV 1 or 2	$436.39	$240.01	$-	$-
(b)	4TV 5	425.75	234.16	-	-
(c)	6TV 5	452.39	248.81	-	-
(d)	TV 15	469.48	258.27	-	-

B. Channel Mileage

1. Facility

(a)	TV 1 or 2	399.69	-	219.83	-
(b)	4TV 5	399.69	-	219.83	-
(c)	6TV 5	399.69	-	219.83	-
(d)	TV 15	399.69	-	219.83	-

2. Per Terminal, Each

(a)	Over 0 to 4	425.71	-	234.14	-
(b)	Over 4 to 8	425.71	-	234.14	-
(c)	Over 8 to 25	425.71	-	234.14	-
(d)	Over 25 to 50	425.71	-	234.14	-

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.7 Digital Data Access Service

A. Channel Terminal

1. Per Terminal

		Monthly Rate	Nonrecurring Charge
(a)	2.4 Kbps	$105.97	$311.64
(b)	4.8 Kbps	105.97	311.64
(c)	9.6 Kbps	105.97	311.64
(d)	56.0 Kbps	105.97	311.64

B. Channel Mileage

1. Facility, Per Mile

(a)	2.4 Kbps	2.41	-
(b)	4.8 Kbps	2.41	-
(c)	.6 Kbps	2.41	-
(d)	56.0 Kbps	2.41	-

2. Terminal, Each

(a)	2.4 Kbps	14.09	-
(b)	4.8 Kbps	14.09	-
(c)	9.6 Kbps	14.09	-
(d)	56.0 Kbps	14.09	-

C. Optional Features and Functions

1. Bridging

(a)	Per Port	26.93	-

2. Loop Transfer Arrangement (Key Activated or Dial-up)

(a)	Per Four Port Arrangement	6.75	-

D. Public Packet Switching Network (PPSN)

1. Interface Arrangement

(a)	Per 9.6 Kbps[1] Arrangement	-	-
(b)	Per 56.0 Kbps[1] Arrangement	-	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.7 Digital Data Access Service (Cont'd)

E. Channel Service Unit

1. Per Terminal

		Monthly Rate	Nonrecurring Charge
(a)	2.4 Kbps	$18.60	$-
(b)	4.8 Kbps	19.88	-
(c)	9.6 Kbps	20.85	-
(d)	56.0 Kbps	21.73	-

22.4.8 High Capacity Service

A. Channel Terminal

1. Per Terminal

(a)	1.544 Mbps	271.17	381.10
(b)	3.152 Mbps[1]	-	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

B. Channel Mileage

1. Facility, Per Mile

(a)	1.544 Mbps	1.29	-
(b)	3.152 Mbps	31.91	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

2. Terminal, Each

(a)	1.544 Mbps	17.77	-
(b)	3.152 Mbps	178.15	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.8 High Capacity Service (Cont'd)

C. Optional Features and Functions

1. Multiplexing

a. DS4 to DS1

(1) Per Arrangement

	Monthly Rate	Nonrecurring Charge
(a) Each[1]	$ -	$ -
(b) DS3 to DS1	-	-
(2) Per Arrangement		
(a) Each[1]	-	-
b. DS2 to DS1		
(1) Per Arrangement		
(a) Each[1]	-	-
c. DS1C to DS1		
(1) Per Arrangement		
(a) Each[1]	-	-
d. DS1 to Voice		
(1) Per Arrangement		
(a) Each	360.44	-
e. DS1 to DS0		
(1) Per Arrangement		
(a) Each	624.91	-
f. DS0 to Subrates		
(1) Per Arrangement		
(a) Up to 20 2.4 Kbps services	511.06	-
(b) Up to 10 4.8 Kbps services	263.41	-
(c) Up to 5 9.6 Kbps services	183.12	-
2. Automatic Loop Transfer		
(a) Per Arrangement	440.03	-
3. Transfer Arrangement		
(a) Key Activated or Dial up, Per Four Port Arrangement	187.03	-
4. Network Channel Terminating Equipment, Per Terminal		
(a) 1.544 Mbps	96.02	-
(b) Automatic Loop Transfer	1,013.35	-

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.4 Special Access Services (Cont'd)

22.4.9 Transfer of Service

A. Service Rearrangements

1. Special Access Circuits

		Nonrecurring Charge
(a)	Per Billing Account Number	$140.00
(b)	Per circuit	7.00

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.5 Engineering, Labor and Miscellaneous Charges

22.5.1 Charges for Additional Engineering

1. Engineering Consultation and Engineering of Connections with other telephone companies (if not Concurring Carriers):

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic time, regularly scheduled work hours, Per Engineer	$66.00	$39.79
(b)	Overtime, outside of regularly scheduled work hours, Per Engineer	73.41	47.20

22.5.2 Charges for Additional Labor

A. The charges for additional labor are as follows:

1. Overtime Installation or Repair

(a)	Overtime, outside of regularly scheduled working hours on a scheduled work day,[1] Per Technician	29.31	3.10

2. Stand by, Testing and Maintenance with other telephone companies (if not Concurring Carriers) or Other Labor

(a)	Basic time, regularly scheduled working hours, per Technician	-	17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day[1], per Technician	-	21.01
(c)	Premium time, outside of scheduled work day[1], per Technician	-	24.12

[1] A call out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.2 Charges for Additional Labor (Cont'd)

A. The charges for additional labor are as follows: (Cont'd)

3. Other Labor (or Testing and Maintenance with other telephone companies, if they are not Concurring carriers)

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic Time regularly scheduled working hours, per technician	$44.12	$17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day, [1] per technician	47.22	21.01
(c)	Premium Time, outside of scheduled work day,[1] Per Technician	50.33	24.12

22.5.3 Maintenance of Services

A. The maintenance of service charges are as follows:

1. The charges for maintenance of service are as follows:

(a)	Basic time, regularly scheduled working hours, per technician	44.12	17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day, per technician[1]	47.22	21.01
(c)	Premium time, outside of scheduled work day, per technician[1]	50.33	24.12

22.5.4 Restoration Priority

		Nonrecurring Charge
(a)	Restoration Priority, per Service arranged	$104.02

[1] A call out of a Company employee at a time not consecutive with the employee's scheduled work period subject to a minimum charge of four hours.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.5 Presubscription

A. The nonrecurring charge for Presubscription is as follows:

1. Presubscription, per Telephone Exchange Service line or trunk

		Nonrecurring Charge
(a)	Each[1,2]	$5.00

22.5.6 Testing Service

1. Switched Access

a. Additional Cooperative Acceptance Testing

(1) Testing Rates, per technician

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic Time (Regularly scheduled work hours.)	$43.75	$17.54
(b)	Overtime (Outside regularly scheduled work hours on a scheduled work day.)	47.02	20.81
(c)	Premium Time (Outside scheduled work day.)[3]	50.29	24.08

[1] This charge is billed to the end user which is the subscriber to the telephone exchange service.
[2] This charge is billed when the pre-designated IC is an intrastate IC. If the IC is an interstate/intrastate carrier then this rate will apply in lieu of the same rate in the appropriate interstate tariff.
[3] A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

1. Switched Access (Cont'd)

b. Automatic Scheduled Testing (AST)

(1) To first point of switching, per test ordered, per year

		Monthly Rate
(a)	1004 Hz Loss[1,2,3] per transmission path	$0.06
(b)	C Message Noise [4,5,6] per transmission path	0.06
(c)	Return Loss (Balance) [4,5,6] per transmission path	0.06
(d)	Gain Slope4 per transmission path	0.06
(e)	C Notched Noise, per transmission path	0.06

c. Cooperative Scheduled Testing (CST)

		Monthly Rate
(1)	To first point of switching, per test ordered, per year	
(a)	1004 Hz Loss,[4,5,6] per transmission path	0.34
(b)	C Message Noise,[4,5,6] per transmission path	0.25
(c)	Return Loss (Balance), [4,5,6] per transmission path	0.55
(d)	Gain Slope, per transmission path	0.34
(e)	C Notched Noise, per transmission path	0.25

[1] The IC may specify a more frequent schedule of tests, 60 days prior to the start of the IC prescribed schedule.
[2] These three test represent the minimum offering, i.e., an order for testing must at a minimum, consist of twelve 1004Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The additional test listed may be ordered by the IC at additional charges, 60 days prior to the start of the IC presubscribed schedule.
[3] Subject to a one year minimum contract period.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

1. Switched Access (Cont'd)

d. Manual Scheduled Testing (MST)

(1) To first point of switching, per test ordered, per year

		Monthly Rate
(a)	1004 Hz Loss,[1,2,3] per transmission path	$0.90
(b)	C Message Noise, [1,2,3] per transmission path	0.59
(c)	Return Loss (Balance), [1,2,3] per transmission path	1.20
(d)	Gain Slope, per transmission path	0.90
(e)	C Notched Noise, per transmission path	0.59

e. Nonscheduled Testing (NST)

(1) Cooperative Testing:

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic, regularly scheduled work hours, per technician	$43.75	$17.54
(b)	Overtime, outside regularly scheduled work hours on a scheduled work day, per technician	47.02	20.81
(c)	Premium, outside scheduled work day, per technician[4]	50.29	24.08

(2) Manual Testing

(a)	Basic, regularly scheduled work hours, per technician	43.93	17.72
(b)	Overtime, outside regularly scheduled work hours on a scheduled work day, per technician	47.12	20.91
(c)	Premium, outside scheduled work day, per technician[1]	50.31	24.10

[1] The IC may specify a more frequent schedule of tests, 60 days prior to the start of the IC prescribed schedule.
[2] These three test represent the minimum offering, i.e., an order for testing must at a minimum, consist of twelve 1004Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The additional test listed may be ordered by the IC at additional charges, 60 days prior to the start of the IC presubscribed schedule.
[3] Subject to a one year minimum contract period.
[4] A call-out of a Company employee at a time no consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

1. Switched Access (Cont'd)

e. Nonscheduled Testing (NST) (Cont'd)

(3) Automatic Testing, to first point of switching, per test performed:

		Rate
(a)	1004 Hz Loss	$12.44
(b)	C Message Noise	12.44
(c)	Return Loss (Balance)	12.44
(d)	Gain Slope	12.44
(e)	C Notched Noise	12.44

2. Special Access

a. Additional Cooperative Acceptance Testing (ACAT)

(1) Applies to the following tests:

VG1 through 3: Attenuation Distortion, C-Message Noise and Balance (Return Loss)

VG6 through 12: Attenuation Distortion, C-Message Noise, Balance (Return Loss), Impulse Noise, Phase Jitter, Intermodulation Distortion, Envelope Delay Distortion and Frequency Shift

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic time, regularly scheduled work hours, per technician	$44.12	$17.91
(b)	Overtime, outside or regularly scheduled work hours on a scheduled work day, per technician	47.22	21.01
(c)	Premium time, outside of scheduled work day, per technician	50.33	24.12

b. Nonscheduled Testing (NST)[1]

(1) Testing Rates, per technician

(a)	Basic time (Regularly scheduled work hours)	44.12	17.91
(b)	Overtime (Outside regularly scheduled work hours on a scheduled work day)	47.22	21.01
(c)	Premium time (Outside scheduled work day)[1]	50.33	24.12

[1] A call-out of a Company employee at a time no consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.5.7 Provision of Access Service Billing Information

1. Provision of Standard Billing Detail and/or Information is in paper or electronic format.

		Rate
(a)	Per bill	$ -

2. Additional copies of IC monthly bill or service and features record in standard paper or electronic format

(a)	Per bill	-

22.5.8 Equal Access Subscription

A. The nonrecurring charges for a change in IntraLATA Subscription are as follows:

1. Subscription change when not performed simultaneously with interLATA PIC change to the same carrier, per line or trunk

		Nonrecurring Charge
(a)	billed to the end user or pay telephone location provider or its authorized agent	$5.00
(b)	billed to the end user or pay telephone location provider or its authorized agent	1.25

2. Subscription change when performed simultaneously with the interLATA PIC change to the same carrier, per line or trunk

(a)	billed to the end user or pay telephone location provider or its authorized agent	5.00
(b)	billed to the end user or pay telephone location provider or its authorized agent	0.62

B. The nonrecurring charge for an unauthorized change in IntraLATA Subscription is as follows:

1. Unauthorized Subscription Change

(a)	per business or residence line or trunk[1]	19.41
(b)	billed to the end user or pay telephone location provider or its authorized agent	0.62

[1] If an unauthorized change in IntraLATA and InterLATA Subscription occurs at the same time, on the same Business, Residence line or trunk, and the Subscribed IC is the same IC for IntraLATA and InterLATA Subscription, the IC will be assessed one unauthorized Subscription charge as provided in the National Exchange Carrier Association's Tariff FCC No. 5, Section 17.4.4. In addition, the IC will be assessed the applicable PIC change charge for returning the end user or location provider or its authorized agent to their preferred intraLATA subscribed IC as provided in 22.5.7.A. preceding. Additionally, the applicable PIC change charge, as provided in National Exchange Carrier Association's Tariff FCC No. 5, Section 17.4.4 will be assessed to the IC to return the end user or location provider or its authorized agent to their previous authorized carrier.

22. RATES AND CHARGES – Piedmont Telephone (Cont'd)

22.6 IntraLATA Toll Originating Responsibility Plan (ITORP)

A. Access compensation rates, IntraLATA toll DA and Billing and Collection rates are specified following. For other applicable access charges, refer to the intrastate switched access charges specified in the applicable Access Tariff on file for the terminating LEC.

1. IntraLATA Toll

		Rate
(a)	Directory Assistance, per call	$0.5000
(b)	Billing and Collection, per message	0.0666

B. Network Compensation Rates

(a)	Rates Per Minute of Use	-

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

Randolph Telephone Membership Corporation concurs with the provisions of the National Exchange Carrier Association (NECA) Tariff No. 5 Terminating Interstate Switched Access Services, for the provision of Terminating Intrastate Switched Access Services. Randolph Telephone Membership Corporation's rates for Originating Switched Access Services are located in this document.

22.1 RESERVED FOR FUTURE USE

22.2 Ordering Options for Switched Access and Special Access Service

		Nonrecurring Charge
(1)	Service Date Change	
	(a) Service Date Change Charge, per Order	$26.21
(2)	Other Modification Change	
	(a) Per Order	26.21
(3)	Planned Facilities Order Modification Charge	
	(a) Per Order	26.21

22.3 Switched Access Service

22.3.1 Minimum Monthly Usage Charge (MMUC)

A. The Minimum Monthly Usage Charge (the minimum transport charge) varies by mileage band and capacity.

The MMUC is as follows:

Mileage Bands		Minimum Transport Charge per BHMC[1]
(a)	0 to 1	$0.3300
(b)	Over 1 to 8	0.7575
(c)	Over 8 to 16	0.8775
(d)	Over 16 to 25	0.9450
(e)	Over 25 to 50	1.5225
(f)	Over 50 to 100	2.1225
(g)	Over 100	3.3975

[1] BHMC is the Access Connections busy hour minutes of capacity provided to the end office.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.2 Access Connections

A. Installation of New Service

1. Feature Group A

		Nonrecurring Charge
(a)	Per First Line	$640.00
(b)	Each Additional Line	135.00

2. Feature Groups B, C and D

(a)	Per First Trunk or Signaling Connection	915.00
(b)	Each Additional Trunk or Signaling Connection	272.00

3. Interface Groups

(a)	Group 1, Two-Wire path with Loop signaling	-
(b)	Group 2, Four-Wire path with Loop signaling	-
(c)	Group 6, DS1 level path with Bit Stream signaling	-
(d)	Group 7, DS1C level path with Bit Stream signaling	-
(e)	Group 8, DS2 level path with Bit Stream signaling	-
(f)	Group 9, DS3 level path with Bit Stream signaling	-
(g)	Group 10, DS4 level path with Bit Stream signaling	-

B. Interface Group Non-chargeable Optional Features

1. Supervisory Signaling

a. DX Supervisory Signaling arrangement
Per Transmission Path[1]

b. SF Supervisory Signaling arrangement
Per Transmission Path[2]

c. E&M Type I Supervisory Signaling arrangement
Per Transmission Path[1]

d. E&M Type II Supervisory Signaling arrangement
Per Transmission Path

[1] Available with Interface Groups 1 and 2.
[2] Available with Interface Groups 2 and 6 and 7

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.2 Access Connections (Cont'd)

B. Interface Group Non-chargeable Optional Features (Cont'd)

1. Supervisory Signaling (Cont'd)

e. E&M Type III Supervisory Signaling arrangement

Per Transmission Path[1]

f. Tandem Supervisory Signaling arrangement

Per Transmission Path[2]

2. IC Specified Entry Switch Receive Level

a. IC specification of the receive transmission level at the first point of switching within a range acceptable to the Company[3]

Per Transmission Path

C. Network Blocking Charge, applies to FGD only.

		Rate
(a)	Per call blocked	$0.0076

22.3.3 Local Transport

A. Call Miles

(1) Usage Rate per Access Minute

		Per Access Minute
(a)	0 to 1	$0.00440
(b)	Over 1 to 8	0.01010
(c)	Over 8 to 16	0.01170
(d)	Over 16 to 25	0.01260
(e)	Over 25 to 50	0.02030
(f)	Over 50 to 100	0.02850
(g)	Over 100	0.04530

[1] Available with Interface Group 2 for FGC and FGD.
[2] Available with Interface Group 2 for FGA.
[3] Available with Interface Groups 2 through 7 for FGA and FGB.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.3 Local Transport (Cont'd)

B. Options

1. Provision of other than Company Selected

   Traffic Routing (available with FGB, FGC and FGD)

   a. Direct Trunking in lieu of Tandem Trunking

      Per Transmission Path[1]

   b. Tandem Trunking in lieu of Direct Trunking

      Per Transmission Path[4]

2. IC Specification of Feature Group Directionality (Available with FGB, FGC, FGD and FGE)[2]

   a. One Way Operation in lieu of Two Way Operation[4]

   b. Two Way Operation in lieu of One Way Operation[4]

3. IC Specification of a Local Transport Termination (Available with FGB with Type B Transmission Performance)

   a. Four Wire Termination in lieu of Two Wire Termination[4]

22.3.4 End Office

A. Local Switching

1. Per Access Minute (Includes Line Termination and Intercept)

		Rate Per Access Minute
(a)	Per Originating Access Minute of use	$0.0090
(b)	Per Terminating Access Minute of use	*NECA Tariff Concurrence*

2. Common Switching Nonchargeable Optional Features

   a. Call denial on line or hunt group, available with FGA

      Per Transmission Path or Transmission Path Group

   b. Service Code Denial on line or hunt group, available with FGA

      Per Transmission Path or Transmission Path Group

   c. Hunt Group Arrangement, available with FGA

      Per Transmission Path Group[3]

   d. Uniform Call Distribution Arrangement, available with FGA

      Per Transmission Path Group[1]

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[1] Rates and charges based on individual cases will apply.
[2] For FGC this option is available only in electronic end offices.
[3] Optional features on an end office and/or access tandem basis are available only on an entire transmission path group.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

A. Local Switching (Cont'd)

2. Common Switching Nonchargeable Optional Features (Cont'd)

e. Nonhunting Numbers for use with Hunt Group Arrangements or U.C.D.

Arrangement available with FGA
Per Transmission Path

f. Automatic Number Identification, available with FGB, FGC and FGD

Per Transmission Path Group[1]

g. Up to 7 Digit Outpulsing of Access Digits to IC, available with FGB

Per Transmission Path Group[1]

h. Dial Pulse Address Signaling, available with FGC

Per Transmission Path Group

i. Service Class Routing, available with FGC and FGD

Per End Office and/or Access Tandem

j. Alternate Traffic Routing, Multiple Customer Premises Alternate Routing available with FGB, FGC and FGD

Per End Office and/or Access Tandem
End Office Alternate Routing, when ordered in trunks, available with FGB and FGD,
Per End office and/or Access Tandem

k. Trunk Access Limitation Arrangement, available with FGC and FGD

Per End Office

l. Call Gapping Arrangement, available with FGD

Per End Office

m. Band Advance Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path Group[1]

n. End Office Customer Line Service Screening on Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path

o. Hunt Group Arrangement for Dedicated Access Lines Service, available with FGC and FGD

Per Transmission Path Group

[1] Optional features on an end office and/or access tandem basis are available only on an entire transmission path group.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

A. Local Switching (Cont'd)

2. Common Switching Nonchargeable Optional Features (Cont'd)

p. Uniform Call Distribution Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path Group

q. Nonhunting Number for use with Hunt Group Arrangement or U.C.D. Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path

3. Transport Termination Nonchargeable Options

a. Line Side Terminations for FGA

(1) Two Way Operation

-Dial Pulse with Loop Start
-Dial Pulse with Ground Start
-DTMF with Loop Start
-DTMF with Ground Start

(2) Terminating Operation

-Dial Pulse with Loop Start
-Dial Pulse with Ground Start
-DTMF with Loop Start
-DTMF with Ground Start

(3) Originating Operation

-Loop Start
-Ground Start

b. Standard Trunk for Originating, Terminating or Two Way operation, available with FGB, FGC and FGD

c. Rotary Dial Station Signaling Trunk, available with FGB

d. Operator Trunk, Non Coin available with FGC also available with FGC or FGD when used in conjunction with Operator Transfer Service

e. Operator Trunk, Full Feature Arrangement, available with FGD

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

B. Line Terminations

1. Common Line and Dedicated Access Line Service Terminations

		Rate
(a)	Per Originating Minute of use	$0.0070
(b)	Per Terminating Minute of use	*NECA Tariff Concurrence*

C. Intercept

1. Intercept Charge

(a)	Per 100 Access Minutes[1]	0.0085

D. 800 Access Service

1. IC Identification Charge

(a)	Per 100 calls[2]	-

22.3.5 800 Access Ten Digit Screening Service

A. 800 Access Ten Digit Screening Service

1. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with 800 Number Delivery

		Rate
(a)	Per Query	$0.0079

2. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with 800 Number Delivery for 800 Numbers with Optional Complex Feature, i.e., Call Handling and Destination Features

(a)	Per Query	-

3. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with POTS Number Delivery

(a)	Per Query	-

4. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with POTS Number Delivery for 800 Numbers with Optional Complex Feature, i.e., Call Handling and Destination Features

(a)	Per Query	-

[1] Applies to all Access Minutes.
[2] The rate for the 800 Access Service (NXX Plan) is subject to change upon the approval of the 800 Access Service Data Base Plan.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.6 Service Rearrangements

		Rate
A.	Change of Service	
	1. Submitted on the Same ASR[1]	
	(a) Per Request	$92.00
B.	Feature Group A	
	1. Line Side Service	
	(a) Per transmission path[2]	10.00
C.	Feature Groups B, C and D	
	1. Trunk Side Service	
	(a) Per transmission path[2]	5.00
D.	Common Block	
	1. Translations Related	
	(a) Per End Office and Tandem Office Affected[2]	90.00
E.	500 Access Service	
	1. Change in dialing capability	
	(a) Per NXX Per End Office and Tandem Office affected[2]	15.00

22.3.7 Transfer of Service

A.	Transfer of Service	
	1. Billing Account Number	
	(a) Each	170.00
B.	Feature Group A	
	1. Line Side Service	
	(a) Per Transmission Path[3]	7.00
C.	Feature Groups B, C and D	
	1. Trunk Side Service	
	(a) Per Transmission Path[3]	8.00

[1] Services requested on multiple ASRs will be treated as one request when requirements, as specified in 6.1.7, are met.
[2] This charge is in addition to that set forth in 22.3.6.A.
[3] This charge is in addition to that set forth in 22.3.7.A.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.8 500 Access Service

A. 500 Access Service

1. 500 Customer Identification

		Rate
(a)	Per Call	$0.01

2. Service Activation Charge - Per Company End Office Switch or Access Tandem in which translations are required

		Nonrecurring Charge
(a)	First NXX Code Submitted on ASR	$40.00
(b)	Additional NXX Code submitted on ASR	20.00

22.3.9 Local Transport

A. Premium

1. Local Transport Termination

		Rate
(a)	Per Originating Access Minute of use	$-
(b)	Per Terminating Access Minute of use	-

2. Local Transport Facility

(a)	Per Mile, Per Originating Access Minute of use	-
(b)	Per Mile, Per Terminating Access Minute of use	-

22.3.10 End Office

a. Local Switching 1

(1) Feature Groups A & B (except: (1) Feature Group B utilized for the provision of MTS/WATS service and (2) Feature Groups A and B when utilized for the provision of terminating inward WATS and WATS-type services at an access WATS Serving Office.

(a)	Per Originating Access Minute	-
(b)	Per Terminating Access Minute	-

b. Local Switching 2

(1) Feature Groups C & D (including: (1) Feature Group B when utilized for the provision of MTS/WATS service and (2) Feature Groups A and B when utilized for the provision of terminating inward WATS and WATS-type services at an equal access WATS Serving Office.Local Switching

(a)	Per Originating Access Minute	-
(b)	Per Terminating Access Minute	-

2. Directory Assistance Information Surcharge

(a)	Per 100 Access Minutes	-

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.11 Tandem Transport

1. Tandem Switched Facility

		Rate
(a)	Per Originating Access Minute Per Mile	$0.000402
(b)	Per Terminating Access Minute Per Mile	*NECA Tariff Concurrence*

2. Tandem Switched Termination

(a)	Per Originating Access Minute Per Termination	$0.002090
(b)	Per Terminating Access Minute Per Termination	*NECA Tariff Concurrence*

3. Tandem Switching

(a)	Per Originating Access Minute Per Tandem	$0.005272
(b)	Per Terminating Access Minute Per Tandem	*NECA Tariff Concurrence*

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services

22.4.1 Access Connections

		Monthly Rate
A.	Two-Wire Access Connections	
	1. For use with NB1-5, VG1-12 and AP1-4	
	(a) Each Two Wire Access Connection	$1.40
B.	Four-Wire Access Connections	
	1. For use with NB4-5, VG1-12 and DA1-4 with DU facility interface.	
	(a) Each Four Wire Access Connection	2.80
C.	Group Access Connections[1]	
	1. For use with WA1	
	(a) Each group Access Connection	-
D.	20 kHz Access Connection[1]	
	1. For use with WA3	
	(a) Each 20 kHz Access Connection	-
E.	13 kHz Access Connections[1]	
	1. For use with WA4	
	(a) Each 13 kHz Access Connection	-
F.	19.2 kbps Access Connections[1]	
	1. For use with WD1	
	(a) Each 19.2 kbps Access Connection	-
G.	50 kbps Access Connections[1]	
	1. For use with WD2	
	(a) Each 50 kbps Access Connection	-
H.	230.4 kbps Access Connections[1]	
	1. For use with WD3	
	(a) each 230.4 kbps Access Connection	-
I.	56 kbps Access Connections[1]	
	1. For use with WD4	
	(a) Each 56 kbps Access Connection	-

[1] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.1 Access Connections (Cont'd)

J. DS1 - 1.544 Mbps Access Connections

	Monthly Rate
1. For use with HC1	
(a) Each DS1 Access Connection	$36.00
K. DS1C - 3.152 Mbps Access Connections[1]	
1. For use with HC1C	
(a) Each DS1C Access Connection	-
L. DS2 - 6.312 Mbps Access Connections[1]	
1. For use with HC2	
(a) Each DS2 Access Connection	-
M. DS3 - 44.736 Mbps Access Connections[1]	
1. For use with HC3	
(a) Each DS3 Access Connection	-
N. DS4 - 276.176 Mbps Access Connections[1]	
1. For use with HC4	
(a) Each DS4 Access Connection	-

[1] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport

A. Mileage measured between IC serving wire center to Hub, IC serving wire center to End User serving wire center or Hub to End User serving wire center.

1. For method of determining mileage, see 7.4.5 and 10.

a. Fixed and Mileage Charges applicable

(1) Two-wire metallic (for use with NB1-3)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$-	$6.40
(b)	Over 4 to 8 Miles, per mile	.80	6.40
(c)	Over8 to 16 Miles, per mile	.80	6.40
(d)	Over 16 to 25 Miles, per mile	.80	6.40
(e)	Over 25 to 50, per mile	.80	6.40
(f)	Over 50 to Miles, per mile	.80	6.40
(g)	Over 100 Miles, per mile	.80	6.40

(2) 75 Baud (for use with NB4)

(a)	0 to 4 Milesper mile	-	5.45
(b)	Over 4 to 8 Miles, per mile	2.50	4.05
(c)	Over 8 to 16 Miles, per mile	11.95	2.65
(d)	Over 16 to 25 Miles, per mile	21.40	2.00
(e)	Over 25 to 50 Miles, per mile	39.50	1.25
(f)	Over 50 to 100 Miles, per mile	40.20	1.25
(g)	Over 100 Miles, per mile	40.20	1.25

(3) 150 Baud (for use with NB5)

(a)	0 to 4 Miles, per mile		5.45
(b)	Over 4 to 8 Miles, per mile	2.50	4.05
(c)	Over 8 to 16 Miles, per mile	11.95	2.65
(d)	Over 16 to 25 Miles, per mile	21.40	2.00
(e)	Over 25 to 50 Miles, per mile	39.50	1.25
(f)	Over 50 to 100 Miles, per mile	40.20	1.25
(g)	Over 100 Miles, per mile	47.70	1.25

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. (Cont'd)

a. Fixed and Mileage Charges applicable (Cont'd)

(4) Two-Wire/Four-Wire Voice (for use with VG1-12 and interLATA only Dedicated Access Line Service)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	-	8.09
(b)	Over 4 to 8 Miles, per mile	8.26	6.00
(c)	Over 8 to 16 Miles, per mile	25.75	3.82
(d)	Over 16 to 25 Miles, per mile	61.44	1.63
(e)	Over 25 to 50 Miles, per mile	61.44	1.63
(f)	Over 50 to 100 Miles, per mile	79.33	1.27
(g)	Over 100 Miles, per mile	79.33	1.27
(5)	3.5 kHz Audio (for use with AP1)		
(a)	0 to 4 Miles, per mile	-	6.45
(b)	Over 4 to 8 Miles, per mile	2.50	6.45
(c)	Over 8 to 16 Miles, per mile	2.50	6.45
(d)	Over 16 to 25 Miles, per mile	2.50	6.45
(e)	Over 25 to 50 Miles, per mile	2.50	6.45
(f)	Over 50 to 100 Miles, per mile	2.50	6.45
(g)	Over 100 Miles, per mile	2.50	6.45
(6)	5 kHz Audio (for use with AP2)		
(a)	0 to 4 Miles, per mile	-	6.45
(b)	Over 4 to 8 Miles, per mile	7.50	6.45
(c)	Over 8 to 16 Miles, per mile	7.50	6.45
(d)	Over 16 to 25 Miles, per mile	7.50	6.45
(e)	Over 25 to 50 Miles, per mile	7.50	6.45
(f)	Over 50 to 100 Miles, per mile	7.50	6.45
(g)	Over 100 Miles, per mile	7.50	6.45

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. (Cont'd)

a. Fixed and Mileage Charges applicable (Cont'd)

(7) 8 kHz Audio (for use with AP3)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile		6.45
(b)	Over 4 to 8 Miles, per mile	6.90	6.45
(c)	Over 8 to 16 Miles, per mile	6.90	6.45
(d)	Over 16 to 25 Miles, per mile	6.90	6.45
(e)	Over 25 to 50 Miles, per mile	6.90	6.45
(f)	Over 50 to 100 Miles, per mile	6.90	6.45
(g)	Over 100 Miles, per mile	6.90	6.45

(8) 15 khz Audio (for use with AP4)[1]

(a)	0 to 4 Miles, per mile	-	-
(b)	Over 4 to 8 Miles, per mile	-	-
(c)	Over 8 to 16 Miles, per mile	-	-
(d)	Over 16 to 25 Miles, per mile	-	-
(e)	Over 25 to 50 Miles, per mile	-	-
(f)	Over 50 to 100 Miles, per mile	-	-
(g)	Over 100 Miles, per mile	-	-

(9) Group (for use with WA1 and WA1T),[2]

(10) 20 kHz (for use with WA3)[1]

(11) 13 kHz (for use with WA4)[1]

(12) 19.2 kbps (for use with WD1)[1]

(13) 50.0 kbps (for use with WD2)[1]

(14) 230.4 kbps (for use with WD3)[1]

(15) 56.0 kbps (for use with WD4)[1]

[1] Rates and Charges based on individual cases will apply.
[2] For WA1T, two are required

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. (Cont'd)

a. Fixed and Mileage Charges applicable (Cont'd)

(16) Digital Data 1 (for use with DA1)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$143.70	$-
(b)	Over 4 to 8 Miles, per mile	184.00	2.30
(c)	Over 8 to 16 Miles, per mile	184.00	2.30
(d)	Over 16 to 25 Miles, per mile	184.00	2.30
(e)	Over 25 to 50 Miles, per mile	184.00	2.30
(f)	Over 50 to 100 Miles, per mile	184.00	2.30
(g)	Over 100 Miles, per mile	184.00	2.30

2. Digital Data 2 (for use with DA2)

(a)	0 to 4 Miles, per mile	151.05	-
(b)	Over 4 to 8 Miles, per mile	193.30	2.80
(c)	Over 8 to 16 Miles, per mile	193.30	2.80
(d)	Over 16 to 25 Miles, per mile	193.30	2.80
(e)	Over 25 to 50 Miles, per mile	193.30	2.80
(f)	Over 50 to 100 Miles, per mile	193.30	2.80
(g)	Over 100 Miles, per mile	193.30	2.80

3. Digital Data 3 (for use with DA3)

(a)	0 to 4 Miles, per mile	182.80	-
(b)	Over 4 to 8 Miles, per mile	212.15	3.10
(c)	Over 8 to 16 Miles, per mile	212.15	3.10
(d)	Over 16 to 25 Miles, per mile	212.15	3.10
(e)	Over 25 to 50 Miles, per mile	212.15	3.10
(f)	Over 50 to 100 Miles, per mile	212.15	3.10
(g)	Over 100 Miles, per mile	212.15	3.10

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

4. Digital Data 4 (for use with DA4)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$384.80	$-
(b)	Over 4 to 8 Miles, per mile	360.05	8.00
(c)	Over 8 to 16 Miles, per mile	360.05	8.00
(d)	Over 16 to 25 Miles, per mile	360.05	8.00
(e)	Over 25 to 50 Miles, per mile	360.05	8.00
(f)	Over 50 to 100 Miles, per mile	360.05	8.00
(g)	Over 100 Miles, per mile	360.05	8.00

5. DS1 - 1.544 Mbps (for use with HC1[1] and interLATA only Dedicated Access Line Service)

(a)	0 to 4 Miles, per mile	26.85	30.00
(b)	Over 4 to 8 Miles, per mile	26.85	30.00
(c)	Over 8 to 16 Miles, per mile	26.85	30.00
(d)	Over 16 to 25 Miles, per mile	26.85	30.00
(e)	Over 25 to 50 Miles, per mile	26.85	30.00
(f)	Over 50 to 100 Miles, per mile	26.85	30.00
(g)	Over 100 Miles, per mile	26.85	30.00

6. DS1C - 3.152 Mbps (for use with HC1C[1])

   Rates and charges based on individual cases will apply.

7. DS2 - 6.312 Mbps (for use with HC2[1])

   Rates and charges based on individual cases will apply.

8. DS3 - 44.736 Mbps (for use with HC3[1])

   Rates and charges based on individual cases will apply.

9. DS4 - 274.176 Mbps (for use with HC4[1])

   Rates and charges based on individual cases will apply.

[1] Additional applications are obtainable through the use of suitable multiplexing at the Hub.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions

A. Facility Interface Combinations

1. Narrowband Services

Facility Interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(a)	DC/DC (NB1, 2 and 3)	$-	$123.00	$46.00
(b)	TT/TT (NB4)	3.85	268.50	169.50
(c)	DB 10/TT (NB4)	3.85	268.50	169.50
(d)	DB 10/IA (NB5)	6.00	268.50	169.50
(e)	AH/DC[1] (NB2)	-	123.00	46.00
(f)	AH/TT[1] (NB4)	3.85	268.50	169.50
(g)	AH/IA[1] (NB5)	6.00	268.50	169.50
(h)	DS/DC[2] (NB2)	-	123.00	46.00
(i)	DS/TT[2] (NB4)	3.85	268.50	169.50
(j)	DS/IA[2] (NB5)	6.00	268.50	169.50

2. Voice Grade Services

Facility interfaces are specified in the order of IC/End User

(a)	AB/AC (VG2)	.65	147.00	44.00
(b)	AB/SF (VG2)	-	141.50	38.50
(c)	AH/AC (VG2)[3,4]	.65	147.00	44.00
(d)	AH/DA (VG5, 6, 10 & 12)[4]	-	141.50	38.50
(e)	AH/DE (VG5)[4]	-	141.50	38.50
(f)	AH/DX (VG9)[4]	-	141.50	38.50
(g)	AH/DY (VG3, 7, & 8)[4]	-	141.50	38.50
(h)	AH/EA (VG3, 7, 8, & 9)[4]	2.75	160.50	57.50

[1] Requires intermediate DS1 to Voice multiplexor.
[2] Requires intermediate multiplexing.
[3] Requires intermediate DS1 to Voice multiplexor.
[4] Requires intermediate Group to Voice multiplexor.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(i)	AH/EB (VG3, 7, 8, & 9) [4]	$2.75	$160.50	$57.50
(j)	AH/GO (VG1) [4]	-	141.50	38.50
(k)	AH/GS (VG1, 3, & 7) [4]	-	141.50	38.50
(l)	AH/LA (VG2 & 7) [4]	2.60	156.50	53.50
(m)	AH/LB (VG2 & 7) [4]	1.75	151.00	48.00
(n)	AH/LC (VG2 & 7) [4]	.20	143.00	40.00
(o)	AH/LO (VG1, 2 & 7) [4]	-	141.50	38.50
(p)	AH/LR (VG2) [4]	3.70	156.50	53.50
(q)	AH/LS (VG1, 2, 5, 6, 7, 9, 10, & 12) [4]		141.50	38.50
(r)	AH/NO (VG1, 2, 5, 6, 7, & 9) [4]	-	141.50	38.50
(s)	AH/RV (VG3, & 7) [4]	-	141.50	38.50
(t)	AH/SF (VG2, 3, 7, 8 & 9)	-	141.50	38.50
(u)	AH/TF (VG11) [4]	-	141.50	38.50
(v)	DA/DA (VG10)	-	141.50	38.50
(w)	DB/DA (VG6, 10 & 12)	-	141.50	38.50
(x)	DB/NO (VG6)	-	141.50	38.50
(y)	DD/DE (VG5)	-	141.50	38.50
(z)	DS/AC (VG2) [1]	.65	147.00	44.00

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(aa)	DS/DA (VG5, 6, 10 & 12) [1]	$141.50	$38.50	$-
(bb)	DS/DE (VG5) [1]	-	141.50	38.50
(cc)	DS/DX (VG9) [1]	-	141.50	38.50
(dd)	DS/DY (VG3, 7, & 8) [1]	-	141.50	38.50
(ee)	DS/EA (VG3, 7, 8, & 9) [1]	2.75	160.50	57.50
(ff)	DS/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(gg)	DS/GO (VG1)[1]	-	141.50	38.50
(hh)	DS/GS (VG1, 3, & 7)[1]	-	141.50	38.50
(ii)	DS/LA (VG2 & 7)[1]	2.60	156.50	53.50
(jj)	DS/LB (VG2 & 7)[1]	1.75	151.00	48.00
(kk)	DS/LC (VG2 & 7)[1]	.20	143.00	40.00
(ll)	DS/LO (VG1, 2, & 7)[1]	-	141.50	38.50
(mm)	DS/LR (VG2)[1]	3.70	156.50	53.50
(nn)	DS/LS (VG2, 2, 3, 7, & 8)[1]	-	141.50	38.50
(oo)	DS/NO (VG1, 2, 5, 6, 7, & 9)[1]	-	141.50	38.50
(pp)	DS/RV (VG3 & 7)[1]	-	141.50	38.50

[1] Requires intermediate DS1 to Voice multiplexor.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(qq)	DS/SF (VG2, 3, 7, 8 & 9)[1]	$-	$141.50	$38.50
(rr)	DS/TF (VG11)[1]	-	141.50	-
(ss)	DX/DX (VG9)	-	-	38.50
(tt)	DX/DY (VG3, 7, & 8)	-	141.50	38.50
(uu)	DX/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(vv)	DX/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(ww)	DX/LA (VG2 & 7)	2.60	156.50	53.50
(xx)	DX/LB (VG2 & 7)	1.75	151.00	48.00
(yy)	DX/LC (VG2 & 7)	.20	143.00	40.00
(zz)	DX/LO (VG2 & 7)	-	141.50	38.50
(aaa)	DX/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(bbb)	DX/RV (VG3 & 7)	-	141.50	38.50
(ccc)	DX/SF (VG2, 3, 7, 8, & 9)	-	141.50	38.50
(ddd)	EA/AC (VG2)	65	147.00	44.00
(eee)	EA/DX (VG9)	-	141.50	38.50
(fff)	EA/DY (VG3, 7, & 8)	-	141.50	38.50
(ggg)	EA/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(hhh)	EA/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(iii)	EA/LA (VG2 & 7)	$2.60	$156.50	$53.50
(jjj)	EA/LB (VG2 & 7)	1.75	151.00	48.00
(kkk)	EA/LC (VG2 & 7)	.20	143.00	40.00
(lll)	EA/LO (VG2 &7)	-	141.50	38.50
(mmm)	EA/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(nnn)	EA/RV (VG3 & 7)	-	141.50	38.50
(ooo)	EA/SF (VG2, 3, 7, 8 & 9)	-	141.50	38.50
(ppp)	EB/AC (VG2)	.65	147.00	44.00
(qqq)	EB/DX (VG9)	-	141.50	38.50
(rrr)	EB/DY (VG3, 7, & 8)	-	141.50	38.50
(sss)	EB/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(ttt)	EB/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(uuu)	EB/LA (VG2 & 7)	2.60	156.50	53.50
(vvv)	EB/LB (VG2 & 7)	1.75	151.00	48.00
(www)	EB/LC (VG2 & 7)	.20	143.00	40.00
(xxx)	EB/LO (VG2 & 7)	-	141.50	38.50
(yyy)	EB/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(zzz)	EB/RV (VG3 & 7)	-	141.50	38.50

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(aaaa)	EB/SF (VG2, 3, 7, 8, & 9)	-	141.50	38.50
(bbbb)	EC/DY (VG3, 7, & 8)	-	141.50	38.50
(cccc)	EC/EA (VG3, 7, & 8)	2.75	160.50	57.50
(dddd)	EC/EB (VG3, 7, & 8)	2.75	160.50	57.50
(eeee)	EC/SF (VG3, 7 & 8)	-	141.50	38.50
(ffff)	EX/GS (VG3 & 7)	-	141.50	38.50
(gggg)	EX/LA (VG2 & 7)	2.60	156.50	53.50
(hhhh)	EX/LB (VG2 & 7)	1.75	151.00	48.00
(iiii)	EX/LC (VG2 & 7)	-	143.00	40.00
(jjjj)	EX/LO (VG1, 2, & 7)	-	141.50	38.50
(kkkk)	EX/LR (VG2)	3.70	156.50	53.50
(llll)	EX/LS (VG1, 2, 3, & 7)	-	141.50	38.50
(mmmm)	EX/SF (VG1, 3, & 7)		141.50	38.50
(nnnn)	GO/GS (VG1, 3, & 7)	-	141.50	38.50
(oooo)	GO/SF (VG3 & 7)	-	141.50	38.50

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(pppp)	GS/GO (VG1)	$-	$141.50	$38.50
(qqqq)	LO/LS (VG1, 2, 3, 7, & 8)	-	141.50	38.50
(rrrr)	LO/SF (VG2, 3, & 7)	-	141.50	38.50
(ssss)	LR/LR (VG2)	3.70	156.50	53.50
(tttt)	LR/SF (VG2)	-	141.50	
(uuuu)	LS/LA (VG2 & 7)	2.60	156.50	53.50
(vvvv)	LS/LB (VG2 & 7)	1.75	151.00	48.00
(wwww)	LS/LC (VG2 & 7)	.20	143.00	40.00
(xxxx)	LS/LO (VG1, 2, & 7)	-	141.50	38.50
(yyyy)	LS/SF (VG2)	-	141.50	38.50
(zzzz)	NO/DA (VG6, 10, & 12)	-	141.50	38.50
(aaaaa)	NO/NO (VG1, 2, 5, 6, 7, & 9)	-	141.50	38.50
(bbbbb)	RV/RV (VG3 & 7)	-	141.50	38.50
(ccccc)	RV/SF (VG3 & 7)	-	141.50	38.50
(ddddd)	SF/AC (VG2)	.65	147.00	44.00
(eeeee)	SF/DX (VG9)	-	141.50	38.50
(fffff)	SF/DY (VG3, 7, & 8)	-	141.50	38.50

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(ggggg)	SF/EA (VG3, 7, 8, & 9) $2.75	$160.50	$57.50	-
(hhhhh)	SF/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(iiiii)	SF/GS (VG1, 3, & 7)	-	141.50	38.50
(jjjjj)	SF/LA (VG2, & 7) 2.60		156.50	53.50
(kkkkk)	SF/LB (VG2 & 7)	1.75	151.00	48.00
(llll)	SF/LC (VG2 & 7)	.20	143.00	40.00
(mmmmm)	SF/LO (VG1 & 2)		141.50	38.50
(nnnnn)	SF/LR (VG2)	3.70	156.50	53.50
	SF/LS (VG2, 3, 7, & 8)	-	141.50	38.50
	SF/RV (VG3 & 7)	-	141.50	38.50
	SF/SF (VG2, 3, 7, 8, & 9)	-	141.50	38.50
	TF/TF (VG11)	-	141.50	38.50

3. Wideband Analog Services[1]

Facility Interfaces are specified in the order of IC/End User

(a)	AH D/AH B (WA1)	-	-	-
(b)	AH C/AH B (WA1)	-	-	-
(c)	AH B/AH B (WA1)	-	-	-
(d)	AH C/AH C (WA2)	-	-	-
(e)	AH D/AH C (WA2)	-	-	-
(f)	AH D/AH D (WA2A)	-	-	-
(g)	WD 1/WA 1 (WA3)	-	-	-
(h)	WD 2/WA 1 (WA3)	-	-	-
(i)	WD 3/WA 2 (WA4)	-	-	-

[1] Wideband Analog Services will be rated and provided on an individual case basis.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

4. Wideband Digital Services[1]

Facility Interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(a)	WB 19S/WC 19 (WD1)	$-	$ -	$ -
(b)	WB 18S/WC 18 (WD1)	-	-	-
(c)	WB 19A/WC 19 (WD1)	-	-	-
(d)	WB 50S/WC 50 (WD2)	-	-	-
(e)	WB 40S/WC 40 (WD2)	-	-	-
(f)	WB 50A/WC 50 (WD2)	-	-	-
(g)	WB 23S/WC 23S (WD3)	-	-	-
(h)	WB 23A/WC 23 (WD3)	-	-	-
(i)	WB 64/DU 56 (WD4)	-	-	-
(j)	DO/DU 56 (WD4)	-	-	-

5. Digital Data Access Services

Facility Interfaces are specified in the order of IC/End User

(a)	DU 24/DU 24 (DA1)	-	180.00	61.00
(b)	DS/DU 24[2] (DA1)	-	180.00	61.00
(c)	DU 48/DU 48 (DA2)	-	180.00	58.00
(d)	DS/DU 48[1] (DA2)	-	180.00	58.00
(e)	DU 96/DU 96 (DA3)	-	195.00	76.00
(f)	DS/DU96[1] (DA3)	-	195.00	76.00
(g)	DU 56/DU 56 (DA4)	-	210.00	90.00
(h)	DS/DU 56[3] (DA4)	-	210.00	90.00

[1] Wideband Digital Services will be rated and provided on an individual case basis.
[2] Digital Data Carrier Multiplexing Equipment is required.
[3] Digital Data Carrier Multiplexing Equipment is required.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

6. High Capacity Services

Facility Interfaces are specified in the order IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(a)	DS 15/DU (HC1)	$24.10	$287.93	$162.00
(b)	DS 31/DS 31 (HC1C)[1]	-	-	-
(c)	DS 31/DS 15 (HC1C)[2]	-	-	-
(d)	DS 63/DS 63 (HC2)[2,2]	-	-	-
(e)	DS 63/DS 15 (HC2)	-	-	-
(f)	DS 44/DS 44 (HC3)[2,3]	-	-	-
(g)	DS 44/DS 15 (HC3)[2]	-	-	-
(h)	DS 27/DS 27 (HC4)[2,3]	-	-	-
(i)	DS 27/DS 15 (HC4)[2]	-	-	-

[1] Rates and Charges based on individual case will apply.
[2] Available only from an IC terminal location to another IC terminal location or to a Hub.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

B. Voice Grade Performance

1. Performance, Per two-point service or each section (i.e., midlink or end link) of a multipoint service.

		Monthly Rate	Nonrecurring Charge (To Install Service) First Service	Nonrecurring Charge (To Install Service) Each Additional Identical Service
(a)	VG1	$7.35	$53.00	$53.00
(b)	VG2	19.30	68.00	68.00
(c)	VG3	-	-	-
(d)	VG5	12.85	56.00	56.00
(e)	VG6	27.70	105.00	105.00
(f)	VG7	19.30	68.00	68.00
(g)	VG8	19.30	68.00	68.00
(h)	VG9	19.50	105.00	105.00
(i)	VG10	20.45	105.00	105.00
(j)	VG11	7.35	53.00	53.00
(k)	VG12	7.35	53.00	53.00

C. Hub Functions

1. Multiplexing

a. DS4 to DS1 arrangement

(1) An arrangement that provides a 274.176 Mbps capacity to multiplex, on a digital time division basis, 168 DS1 channels. (available with HC4)

		Monthly Rate	Nonrecurring Charge
(a)	Per arrangement	$2,815.56	$1,465.73

b. DS3 to DS1 arrangement

(1) An arrangement that provides a 44.736 Mbps capacity to multiplex, on a digital time division basis, 28 DS1 channels. (available with HC3)

(a)	Per arrangement	299.92	370.68

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

1. Multiplexing (Cont'd)

c. DS2 to DS1 arrangement

(1) An arrangement that provides a 6.312 Mbps capacity to multiplex, on a digital time division basis, four DS1 channels. (available with HC2)

		Monthly Rate	Nonrecurring Charge
(a)	Per arrangement	99.92	182.96

d. DS1C to DS1 arrangement

(1) An arrangement that provides a 3.152 Mbps capacity to multiplex, on a digital time division basis, two DS1 channels. (available with HC1C)

(a)	Per arrangement	20.69	167.32

e. Group to DS1 arrangement[1]

(1) An arrangement that provides two group capacities (i.e., WA1T) to multiplex to a DS1 level. (Available with WA1T)

(a)	Per arrangement	-	-

f. DS1 to Voice arrangement

(1) An arrangement that provides a 1.544 Mbps capacity to multiplex, on a digital time division basis, 24 Voice or Digital Data[2] grade channels. (Available with HC1)

(a)	Per arrangement	103.24	151.68

g. Group to Voice arrangement

(1) An arrangement that provides a Group capacity to multiplex, on a frequency division basis, 12 Voice grade channels. (Available with WA1)

(a)	Per arrangement[1]	-	-

[1] Rates and charges based on individual case will apply.
[2] Digital Data channels are only available from the serving wire center serving the Company designator digital Hub. Digital Data or DS1 is used only as a component of DA1-4.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

1. Multiplexing (Cont'd)

h. Digital Data Multiplexing (Required with Digital Data Access service with DS facility interface at IC terminal location).

(1) Carrier Multiplexing Unit

- an arrangement that provides a 1.544 Mbps capacity to multiplex on a digital time division basis, 23 64 kbps channels.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Per Unit	$150.95	$140.47	$-

(2) Carrier Multiplexing Plug-Ins

(a)	Per 64 kbps channel equipped[1]	1.56	53.09	135.20

(3) Carrier Sub-Multiplexing Unit: an arrangement that provides a 64 kbps capacity to multiplex on a digital time division basis, subspeed Digital Data Access Services.

(a)	Twenty 2.4 kbps services	146.39	88.66	167.03
(b)	Ten 4.8 kbps services	75.45	70.88	151.12
(c)	Five 9.6 kbps services	52.45	70.88	151.12

2. Bridging

a. Narrowband Bridges

(1) Two-Wire Bridging (available with NB1-3)

		Monthly Rate	Nonrecurring Charge
(a)	Per Port	$-	$-

(2) Telegraph Bridging (available with NB4 and NB5)

(a)	Two Wire, per Port	-	-
(b)	Four Wire, per Port	-	-

b. Voice Grade Bridges

(1) Voice Bridging (available with VG2 & 12)

(a)	Two Wire, per Port	30.80	102.00
(b)	Four Wire, per Port	30.80	102.00

[1] Required with DS1 to Digital Data channels hub multiplexing capability (MQ1)

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

2. Bridging (Cont'd)

(2) Data Bridging (available with VG5, 6, & 10)

		Monthly Rate	Nonrecurring Charge
(a)	Two Wire, per Port	$9.10	$58.00
(b)	Four Wire, per Port	9.10	58.00
(3)	Telephoto Bridging (available with VG11)		
(a)	Two Wire, per Port	30.80	102.00
(b)	Four Wire, per Port	30.80	102.00
(4)	Telemetry and Alarm Bridging (Available with VG5)		
	Split Band, Active Briding		
(a)	Channel Connections, per channel connected,	2.60	17.00
	Remote station channel connection, each		
	Passive Bridging		
(b)	Channel Connections, per channel connected[1]	2.60	17.00
	Summation, Active Bridging		
(c)	Channel Connections, per channel connected[1]	2.60	17.00

c. Digital Data Access Bridges (available with DA1-4)

(1)	Central Office Bridge		
(a)	Per Port	7.72	10.45

3. Digital Data Secondary Channel Capability

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Per Digital Data Access Connection and Special Access Line, each	$15.00	$-	$485.00

[1] Rates and charges based on individual case will apply.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions-Voice Grade Services

1. Conditioning

Conditioning provides more specific transmission characteristics for data or telephoto services. There are two types of data conditioning, C-Type and DA-Type. C-Type conditioning controls attenuation distortion and envelope delay distortion; DA-Type conditioning controls the signal to C-notched noise ratio and intermodulation distortion. Telephoto conditioning controls attenuation distortion and envelope delay distortion.

Conditioning is charged for on a per two-point service or each section (i.e., midlink or end link) of a multi-point basis. The parameters listed for each type of conditioning apply from point of interface to network interface. For two-point services the parameters apply to each service. For multipoint services, the parameters apply to any path between any two service terminal points. C-Type and DA-Type conditioning are available only for data services. C-Type and DA-Type conditioning may be combined on the same service.

Telephoto conditioning is available only for VG11 services.

a. C-Type Conditioning

(1) For the additional control of attenuation distortion and envelope delay distortion on data services.

(2) Attenuation Distortion (Frequency Response) Relative to 1004 Hz

Frequency Range (Hz)	Variation (dB)
400-2800	1.0 to 2.0
300-3000	1.0 to 3.0
300-3200	2.0 to 6.0

(3) Envelope Delay Distortion

Frequency Range (Hz)	Variation (micro seconds)
1000-2600	100
600-2600	300
500-2800	600

(4) C-Type Conditioning is available in VG6, 7 & 10.

		Monthly Rate	Nonrecurring Charge	
			Initial	Subsequent
(a)	C Type Conditioning, Per Two point Service or each section (i.e., midlink or end link) of a multipoint service.	$1.80	$9.00	$213.00

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions Voice Grade Services (Cont'd)

1. Conditioning (Cont'd)

b. DA-Type Conditioning

(1) For the control of signal to C-notched noise ratio and intermodulation distortion on data services. DA-Type conditioning is available for two-point services or three point multipoint services.

(2) The signal to C-notched noise ratio and intermodulation distortion parameters for DA-Type conditioning are:

Signal to C-Notched Noise Ratio 32 dB

(3) Intermodulation distortion:

Signal to second order modulation products (R2) is equal to or greater than 38 dB.
Signal to third order modulation products (R3) is equal to or greater than 42 dB.

(4) When a service equipped with DA-Type conditioning is used for voice communications, the quality of the voice transmission may not be satisfactory.

(5) DA-Type Conditioning is available with VG6, 7 and 10.

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a) DA Type Conditioning, Per Two Point Service or each section (i.e., mid link or end link) of a multipoint service.	$15.00	$372.00	$576.00

c. Telephoto Conditioning

(1) For the control of attenuation distortion and envelope delay distortion on telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Conditioning are:

Attenuation Distortion
(1004 Hz Reference)

Frequency Range (Hz)	Variation (db)
500 3000	0.5 to +1.5
300 3200	1.0 to +2.5

Envelope Delay Distortion

Frequency Range (Hz)	Variation (mcs)
1000 2600	110
800 2800	180

(2) Telephoto Conditioning is available with VG11 only.

(a) Telephoto Conditioning, Per Two Point Service or each section (i.e., midlink or end link) of a multipoint service.	-	-	-

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions Voice Grade Services (Cont'd)

2. Improved return loss for effective two-wire transmission at the end user's premises

a. Available with VG2, 3 and 7

(1) This option is applicable to all interfaces except E&M, SF & DX when the impedance code 2 is specified. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Improved Return Loss, Per end user, premises per service which this option is available.	$1.95	$13.59	$39.80

3. Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Improved Return Loss, Per IC terminal location, per service	$1.95	$24.68	$50.89

4. IC specified end user premises receive level within a range acceptable to the Company on effective four-wire transmission. (Available with VG2, 3, 7, 8 & 9)

(a)	Specified receive level, per end user premises, per service	-	9.63	35.84

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

E. Optional Features and Functions - Dedicated Access Line Service

1. Two-Wire Improved Voice Transmission Parameters:

(the guaranteed levels are set forth in 7.2.1.F.4.b. preceding)

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a) Per service	$6.43	$11.04	$460.89

2. Four-Wire Improved Voice Transmission Parameters:

(the guaranteed levels are set forth in 7.2.1.F.4.c. preceding)

(a) Per service	6.43	11.04	460.89

F. Optional Features and Functions - Digital Data Access Services

1. Loop Transfer Arrangement

a. An arrangement that affords the end user an additional measure of protection to its access channel(s) on a 1 x N basis. This arrangement is only available from a Company designated digital hub. A key activated control service is required to operate the transfer arrangement. This control service must be separately ordered.

(1) Available with DA1, 2, 3 and 4.

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a) Transfer Arrangement, each	16.92	87.96	186.33

G. Optional Features and Functions - High Capacity Services

1. Automatic Protection Switching

a. Switching equipment placed at both ends of a duplicate standby service to automatically switch the standby service to the active state in the event of service failure. Duplicate 1.544 Mbps Service must also be ordered.

(1) Available with HC1.

(a) Per Arrangement	281.15	68.27	159.66

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines

A. Two-Wire[1]

1. For use with NB1-5, VG1-12 and AP1-4

		Monthly Rate
(a)	Two Wire Special Access Line, each	$13.05

2. For use with Dedicated Access Line Service

		Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a)	Two wire Special Access Line, each	$34.00	$141.00	$64.00

B. Four-Wire[1]

1. For use with NB4-5, VG1-12 and DA1-4

		Monthly Rate
(a)	Four Wire Special Access Line, each	$26.10

2. For use with Dedicated Access Line Service

		Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a)	Four wire Special Access Line, each	$45.00	$157.00	$80.00

C. Group[1,2]

1. For use with WA1

		Monthly Rate
(a)	Group Special Access Line, each	$-

D. 20 kHz[3,4]

1. For use with WA3

(a)	20 kHz Special Access Line, each	-

[1] See 7.4.2 preceeding for application of Special Access Service Surcharge.
[2] Rates and Charges based on individual cases will apply.
[3] See 7.4.2 preceding for application of Special Access Service Surcharge.
[4] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines (Cont'd)

E. 13 kHz[3,4]

1. For use with WA4

(a) 13 kHz Special Access Line, each -

F. 19.2 kbps[3,4]

1. For use with WD1

(a) 19.2 kbps Special Access Line, each -

G. 50 kbps[3,4]

1. For use with WD2

(a) 50 kbps Special Access Line, each -

H. 230.4 kbps[3,4]

1. For use with WD3

(a) 230.4 kbps Special Access Line, each -

I. 56 kbps[3,4]

1. For use with WD4

(a) 56 kbps Special Access Line, each -

J. **L.** DS1 - 1.544 Mbps[3]

1. For use with HC1

(a) DS1 1.544 Mbps Special Access Line, each 110.83

K. DS1C - 3.152 Mbps[3,4]

1. For use with HC1C

(a) DS1C 3.152 Mbps Special Access Line, each -

L. DS2 - 6.312 Mbps[3,4]

1. For use with HC2

(a) DS2 6.312 Special Access Connection, each -

M. DS3 - 44.736 Mbps[3,4]

1. For use with HC3

(a) DS3 44.736 Mbps Special Access Line, each -

N. DS4 - 274.176 Mbps[3,4]

1. For use with HC4

(a) DS4 274.176 Mbps Special Access Line, each -

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines (Cont'd)

O. Optional Feature

1. Hybrid

Provides conversion from four-wire SAL to two-wire termination at end user premises. Required to meet effective four-wire performance with a two-wire end user premises facility interface.

	Monthly Rate	Nonrecurring Charge
(a) Hybrid, each	$-	$-

P. Special Access Service Surcharge[1]

1. Per voice equivalent channel (non DAL), billed to the IC

	Monthly Rate
(a) each	$25.00

2. Per DAL, billed to the IC

(a) each	-

22.4.5 Voice Grade Service

A. Channel Termination

1. Per Point of Termination

	Monthly Rate	Nonrecurring Charge
(a) Two Wire	$33.12	$223.24
(b) Four Wire	46.81	223.24

B. Channel Mileage

1. Mileage Facility

(a) Per Mile	2.41	-

2. Mileage Terminal

(a) Per Terminal	14.09	-

C. Optional Features and Functions

1. Bridging

a. Two-Wire/Four-Wire

(1) Per Port

	Monthly Rate	Nonrecurring Charge
(a) Two Wire	$4.33	$-
(b) Four Wire	4.33	-

[1] See 7.4.2 preceding for application of Special Access Service Surcharge.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

C. Optional Features and Functions (Cont'd)

1. Bridging (Cont'd)

b. Data Bridging, Two-Wire/Four-Wire

(1) Per Port

(a)	Two Wire	4.33	-
(b)	Four Wire	4.33	-

c. Telephoto Bridging, Two-Wire/Four-Wire

(1) Per Port

(a)	Two Wire	4.33	-
(b)	Four Wire	4.33	-

d. Addressable Arrangement

(1) Per channel connected

(a)	Two Wire	25.80	-
(b)	Four Wire	131.35	-

e. Telemetry/Alarm Bridging Service (TABS) Bridging

(1) Per channel connected

(a)	Split Band	9.12	-
(b)	Summation	1.55	-
(c)	Passive	0.23	-

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

C. Optional Features and Functions (Cont'd)

2. Conditioning, Per Terminal

		Monthly Rate	Nonrecurring Charge
(a)	C Type	$6.45	$
(b)	Sealing Current	-	-
3. Improved Return Loss			
(1)	Per Terminal		
(a)	Two Wire	1.91	-
(b)	Four Wire	1.91	-
4. Customer Specified Receive Level, Per Terminal			
(a)	Two Wire		
5. Multiplexing, Voice to Telegraph			
(a)	Per Arrangement	245.68	-
6. Data Capability			
(a)	Per Terminal	1.44	247.03
7. Telephoto Conditioning			
(a)	Per Terminal	3.19	247.03
8. Signaling Capability			
(a)	Per Terminal	14.89	-
9. Selective Signaling Arrangement			
(a)	Per Arrangement	15.92	-
10. Transfer Arrangement			
(a)	Key Activated or Dial up, Per Four Port Arrangement	3.41	-

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

D. Public Packet Switching Network (PPSN)

1. Interface Arrangement

(a) Per Arrangement[1]

22.4.6 Digital Data Access Service

A. Channel Terminal

1. Per Terminal

		Monthly Rate	Nonrecurring Charge
(a)	2.4 Kbps	$105.97	$311.64
(b)	4.8 Kbps	105.97	311.64
(c)	9.6 Kbps	105.97	311.64
(d)	56.0 Kbps	105.97	311.64

B. Channel Mileage

1. Facility, Per Mile

(a)	2.4 Kbps	2.41	-
(b)	4.8 Kbps	2.41	-
(c)	.6 Kbps	2.41	-
(d)	56.0 Kbps	2.41	-

2. Terminal, Each

(a)	2.4 Kbps	14.09	-
(b)	4.8 Kbps	14.09	-
(c)	9.6 Kbps	14.09	-
(d)	56.0 Kbps	14.09	-

C. Optional Features and Functions

1. Bridging

(a)	Per Port	26.93	-

2. Loop Transfer Arrangement (Key Activated or Dial-up)

(a)	Per Four Port Arrangement	6.75	-

D. Public Packet Switching Network (PPSN)

1. Interface Arrangement

(a)	Per 9.6 Kbps[1] Arrangement	-	-
(b)	Per 56.0 Kbps[1] Arrangement	-	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.6 Digital Data Access Service (Cont'd)

E. Channel Service Unit

1. Per Terminal

		Monthly Rate	Nonrecurring Charge
(a)	2.4 Kbps	$18.60	$-
(b)	4.8 Kbps	19.88	-
(c)	9.6 Kbps	20.85	-
(d)	56.0 Kbps	21.73	-

22.4.7 High Capacity Service

A. Channel Terminal

1. Per Terminal

(a)	1.544 Mbps	271.17	381.10
(b)	3.152 Mbps[1]	-	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

B. Channel Mileage

1. Facility, Per Mile

(a)	1.544 Mbps	1.29	-
(b)	3.152 Mbps	31.91	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

2. Terminal, Each

(a)	1.544 Mbps	17.77	-
(b)	3.152 Mbps	178.15	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.7 High Capacity Service (Cont'd)

C. Optional Features and Functions

1. Multiplexing

a. DS4 to DS1

(1) Per Arrangement

	Monthly Rate	Nonrecurring Charge
(a) Each[1]	$ -	$ -
(b) DS3 to DS1	-	-
(2) Per Arrangement		
(a) Each[1]	-	-
b. DS2 to DS1		
(1) Per Arrangement		
(a) Each[1]	-	-
c. DS1C to DS1		
(1) Per Arrangement		
(a) Each[1]	-	-
d. DS1 to Voice		
(1) Per Arrangement		
(a) Each	360.44	-
e. DS1 to DS0		
(1) Per Arrangement		
(a) Each	624.91	-
f. DS0 to Subrates		
(1) Per Arrangement		
(a) Up to 20 2.4 Kbps services	511.06	-
(b) Up to 10 4.8 Kbps services	263.41	-
(c) Up to 5 9.6 Kbps services	183.12	-
2. Automatic Loop Transfer		
(a) Per Arrangement	440.03	-
3. Transfer Arrangement		
(a) Key Activated or Dial up, Per Four Port Arrangement	187.03	

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.7 High Capacity Service (Cont'd)

C. Optional Features and Functions (Cont'd)

4. Network Channel Terminating Equipment, Per Terminal

(a)	1.544 Mbps	96.02	-
(b)	Automatic Loop Transfer	1,013.35	-

22.4.8 Transfer of Service

A. Service Rearrangements

1. Special Access Circuits

		Nonrecurring Charge
(a)	Per Billing Account Number	$140.00
(b)	Per circuit	7.00

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges

22.5.1 Charges for Additional Engineering

1. Engineering Consultation and Engineering of Connections with other telephone companies (if not Concurring Carriers):

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic time, regularly scheduled work hours, Per Engineer	$66.00	$39.79
(b)	Overtime, outside of regularly scheduled work hours, Per Engineer	73.41	47.20

22.5.2 Charges for Additional Labor

A. The charges for additional labor are as follows:

1. Overtime Installation or Repair

(a)	Overtime, outside of regularly scheduled working hours on a scheduled work day,[1] Per Technician	29.31	3.10

2. Stand by, Testing and Maintenance with other telephone companies (if not Concurring Carriers) or Other Labor

(a)	Basic time, regularly scheduled working hours, per Technician	-	17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day[1], per Technician	-	21.01
(c)	Premium time, outside of scheduled work day[1], per Technician	-	24.12

3. Other Labor (or Testing and Maintenance with other telephone companies, if they are not Concurring carriers)

(a)	Basic Time regularly scheduled working hours, per technician	$44.12	$17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day, [1] per technician	47.22	21.01

[1] A call out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.2 Charges for Additional Labor (Cont'd)

A. (Cont'd)

3. (Cont'd)

(c)	Premium Time, outside of scheduled work day,[1] Per Technician	50.33	24.12

22.5.3 Maintenance of Services

A. The maintenance of service charges are as follows:

1. The charges for maintenance of service are as follows:

(a)	Basic time, regularly scheduled working hours, per technician	44.12	17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day, per technician[1]	47.22	21.01
(c)	Premium time, outside of scheduled work day, per technician[1]	50.33	24.12

22.5.4 Restoration Priority

		Nonrecurring Charge
(a)	Restoration Priority, per Service arranged	$104.02

22.5.5 Presubscription

A. The nonrecurring charge for Presubscription is as follows:

1. Presubscription, per Telephone Exchange Service line or trunk

		Nonrecurring Charge
(a)	Each[2,3]	$5.00

[1] A call out of a Company employee at a time not consecutive with the employee's scheduled work period subject to a minimum charge of four hours.
[2] This charge is billed to the end user which is the subscriber to the telephone exchange service.
[3] This charge is billed when the pre-designated IC is an intrastate IC. If the IC is an interstate/intrastate carrier then this rate will apply in lieu of the same rate in the appropriate interstate tariff.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service

1. Switched Access

a. Additional Cooperative Acceptance Testing

(1) Testing Rates, per technician

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic Time (Regularly scheduled work hours.)	$43.75	$17.54
(b)	Overtime (Outside regularly scheduled work hours on a scheduled work day.)	47.02	20.81
(c)	Premium Time (Outside scheduled work day.)[1]	50.29	24.08

b. Automatic Scheduled Testing (AST)

(1) To first point of switching, per test ordered, per year

		Monthly Rate
(a)	1004 Hz Loss[2,3,4] per transmission path	$0.06
(b)	C Message Noise [4,5,6] per transmission path	0.06
(c)	Return Loss (Balance) [4,5,6] per transmission path	0.06
(d)	Gain Slope4 per transmission path	0.06
(e)	C Notched Noise, per transmission path	0.06

c. Cooperative Scheduled Testing (CST)

(1) To first point of switching, per test ordered, per year

(a)	1004 Hz Loss,[4,5,6] per transmission path	0.34
(b)	C Message Noise,[4,5,6] per transmission path	0.25
(c)	Return Loss (Balance), [4,5,6] per transmission path	0.55
(d)	Gain Slope, per transmission path	0.34
(e)	C Notched Noise, per transmission path	0.25

[1] A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.
[2] The IC may specify a more frequent schedule of tests, 60 days prior to the start of the IC prescribed schedule.
[3] These three test represent the minimum offering, i.e., an order for testing must at a minimum, consist of twelve 1004Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The additional test listed may be ordered by the IC at additional charges, 60 days prior to the start of the IC presubscribed schedule.
[4] Subject to a one year minimum contract period.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

1. Switched Access (Cont'd)

d. Manual Scheduled Testing (MST)

(1) To first point of switching, per test ordered, per year

		Monthly Rate
(a)	1004 Hz Loss,[1,2,3] per transmission path	0.90
(b)	C Message Noise, [1,2,3] per transmission path	0.59
(c)	Return Loss (Balance), [1,2,3] per transmission path	1.20
(d)	Gain Slope, per transmission path	0.90
(e)	C Notched Noise, per transmission path	0.59

e. Nonscheduled Testing (NST)

(1) Cooperative Testing:

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic, regularly scheduled work hours, per technician	$43.75	$17.54
(b)	Overtime, outside regularly scheduled work hours on a scheduled work day, per technician	47.02	20.81
(c)	Premium, outside scheduled work day, per technician[4]	50.29	24.08

(2) Manual Testing

(a)	Basic, regularly scheduled work hours, per technician	43.93	17.72
(b)	Overtime, outside regularly scheduled work hours on a scheduled work day, per technician	47.12	20.91
(c)	Premium, outside scheduled work day, per technician[1]	50.31	24.10

[1] The IC may specify a more frequent schedule of tests, 60 days prior to the start of the IC prescribed schedule.
[2] These three test represent the minimum offering, i.e., an order for testing must at a minimum, consist of twelve 1004Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The additional test listed may be ordered by the IC at additional charges, 60 days prior to the start of the IC presubscribed schedule.
[3] Subject to a one year minimum contract period.
[4] A call-out of a Company employee at a time no consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

1. Switched Access (Cont'd)
   e. Nonscheduled Testing (NST) (Cont'd)
      (3) Automatic Testing, to first point of switching, per test performed:

		Rate
(a)	1004 Hz Loss	$12.44
(b)	C Message Noise	12.44
(c)	Return Loss (Balance)	12.44
(d)	Gain Slope	12.44
(e)	C Notched Noise	12.44

2. Special Access
   a. Additional Cooperative Acceptance Testing (ACAT)
      (1) Applies to the following tests:

VG1 through 3: Attenuation Distortion, C-Message Noise and Balance (Return Loss)

VG6 through 12: Attenuation Distortion, C-Message Noise, Balance (Return Loss), Impulse Noise, Phase Jitter, Intermodulation Distortion, Envelope Delay Distortion and Frequency Shift

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic time, regularly scheduled work hours, per technician	$44.12	$17.91
(b)	Overtime, outside or regularly scheduled work hours on a scheduled work day, per technician	47.22	21.01
(c)	Premium time, outside of scheduled work day, per technician[1]	50.33	24.12

   b. Nonscheduled Testing (NST)
      (1) Testing Rates, per technician

(a)	Basic time (Regularly scheduled work hours)	44.12	17.91
(b)	Overtime (Outside regularly scheduled work hours on a scheduled work day)	47.22	21.01
(c)	Premium time (Outside scheduled work day)[1]	50.33	24.12

[1] A call-out of a Company employee at a time no consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.7 Provision of Access Service Billing Information

1. Provision of Standard Billing Detail and/or Information in FTP

		Rate
(a)	Per FTP upload	$ -

2. Data transmission to an IC terminal location of Billing Detail and/or Information

(a)	Per record transmitted	1.50

3. Additional copies of IC monthly bill or service and features record in standard paper or electronic format

(a)	Per page	0.03
(b)	Per electronic record	1.50

22.5.8 Equal Access Subscription

A. The nonrecurring charges for a change in IntraLATA Subscription are as follows:

1. Subscription change when not performed simultaneously with interLATA PIC change to the same carrier, per line or trunk

		Nonrecurring Charge
(a)	billed to the end user or pay telephone location provider or its authorized agent	$5.00
(b)	billed to the end user or pay telephone location provider or its authorized agent	1.25

2. Subscription change when performed simultaneously with the interLATA PIC change to the same carrier, per line or trunk

(a)	billed to the end user or pay telephone location provider or its authorized agent	5.00
(b)	billed to the end user or pay telephone location provider or its authorized agent	0.62

B. The nonrecurring charge for an unauthorized change in IntraLATA Subscription is as follows:

1. Unauthorized Subscription Change

(a)	per business or residence line or trunk[1]	19.41
(b)	billed to the end user or pay telephone location provider or its authorized agent	0.62

[1] If an unauthorized change in IntraLATA and InterLATA Subscription occurs at the same time, on the same Business, Residence line or trunk, and the Subscribed IC is the same IC for IntraLATA and InterLATA Subscription, the IC will be assessed one unauthorized Subscription charge as provided in the National Exchange Carrier Association's Tariff FCC No. 5, Section 17.4.4. In addition, the IC will be assessed the applicable PIC change charge for returning the end user or location provider or its authorized agent to their preferred intraLATA subscribed IC as provided in 22.5.7.A. preceding. Additionally, the applicable PIC change charge, as provided in National Exchange Carrier Association's Tariff FCC No. 5, Section 17.4.4 will be assessed to the IC to return the end user or location provider or its authorized agent to their previous authorized carrier.

22. RATES AND CHARGES - Randolph Telephone Membership Corporation

22.6 IntraLATA Toll Originating Responsibility Plan (ITORP)

A. Access compensation rates, IntraLATA toll DA and Billing and Collection rates are specified following. For other applicable access charges, refer to the intrastate switched access charges specified in the applicable Access Tariff on file for the terminating LEC.

1. IntraLATA Toll

		Rate
(a)	Directory Assistance, per call	$0.5000
(b)	Billing and Collection, per message	0.0666

B. Network Compensation Rates

(a)	Rates Per Minute of Use	0.001963

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.1 RESERVED FOR FUTURE USE

22.2 Ordering Options for Switched Access and Special Access Service

			Nonrecurring Charge
(1)	Service Date Change		
	(a)	Service Date Change Charge, per Order	$26.21
(2)	Other Modification Change		
	(a)	Per Order	26.21
(3)	Planned Facilities Order Modification Charge		
	(a)	Per Order	26.21

22.3 Switched Access Service

22.3.1 Minimum Monthly Usage Charge (MMUC)

A. The Minimum Monthly Usage Charge (the minimum transport charge) varies by mileage band and capacity. The MMUC is as follows:

	Mileage Bands	Minimum Transport Charge per BHMC[1]
(a)	0 to 1	$0.3300
(b)	Over 1 to 8	$0.7575
(c)	Over 8 to 16	$0.8775
(d)	Over 16 to 25	$0.9450
(e)	Over 25 to 50	$1.5225
(f)	Over 50 to 100	$2.1225
(g)	Over 100	$3.3975

[1] BHMC is the Access Connections busy hour minutes of capacity provided to the end office.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.3.2 Access Connections

A. Installation of New Service

1. Feature Group A

		Nonrecurring Charge
(a)	Per First Line	$640.00
(b)	Each Additional Line	135.00

2. Feature Groups B, C and D

(a)	Per First Trunk or Signaling Connection	915.00
(b)	Each Additional Trunk or Signaling Connection	272.00

3. Interface Groups

(a)	Group 1, Two-Wire path with Loop signaling	-
(b)	Group 2, Four-Wire path with Loop signaling	-
(c)	Group 6, DS1 level path with Bit Stream signaling	-
(d)	Group 7, DS1C level path with Bit Stream signaling	-
(e)	Group 8, DS2 level path with Bit Stream signaling	-
(f)	Group 9, DS3 level path with Bit Stream signaling	-
(g)	Group 10, DS4 level path with Bit Stream signaling	-

B. Interface Group Non-chargeable Optional Features

1. Supervisory Signaling

a. DX Supervisory Signaling arrangement

Per Transmission Path[1]

b. SF Supervisory Signaling arrangement

Per Transmission Path[2]

c. E&M Type I Supervisory Signaling arrangement

Per Transmission Path[1]

d. E&M Type II Supervisory Signaling arrangement

Per Transmission Path

[1] Available with Interface Groups 1 and 2.
[2] Available with Interface Groups 2 and 6 and 7

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.2 Access Connections (Cont'd)

B. Interface Group Non-chargeable Optional Features (Cont'd)

1. Supervisory Signaling (Cont'd)

e. E&M Type III Supervisory Signaling arrangement

Per Transmission Path[1]

f. Tandem Supervisory Signaling arrangement

Per Transmission Path[2]

2. IC Specified Entry Switch Receive Level

a. IC specification of the receive transmission level at the first point of switching within a range acceptable to the Company[3]

Per Transmission Path

C. Network Blocking Charge, applies to FGD only.

		Rate
(a)	Per call blocked	$0.0076

22.3.3 Local Transport

A. Call Miles

(1) Usage Rate per Access Minute

		Per Access Minute
(a)	0 to 1	$-
(b)	Over 1 to 8	-
(c)	Over 8 to 16	-
(d)	Over 16 to 25	-
(e)	Over 25 to 50	-
(f)	Over 50 to 100	-
(g)	Over 100	-

[1] Available with Interface Group 2 for FGC and FGD.
[2] Available with Interface Group 2 for FGA.
[3] Available with Interface Groups 2 through 7 for FGA and FGB.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.3 Local Transport (Cont'd)

B. Options

1. Provision of other than Company Selected
2. Traffic Routing (available with FGB, FGC and FGD)
   a. Direct Trunking in lieu of Tandem Trunking
      Per Transmission Path[1]
   b. Tandem Trunking in lieu of Direct Trunking
      Per Transmission Path[4]
3. IC Specification of Feature Group Directionality (Available with FGB, FGC, FGD and FGE)[2]
   a. One Way Operation in lieu of Two Way Operation[4]
   b. Two Way Operation in lieu of One Way Operation[4]
4. IC Specification of a Local Transport Termination (Available with FGB with Type B Transmission Performance)
   a. Four Wire Termination in lieu of Two Wire Termination[4]

22.3.4 End Office

A. Local Switching

1. Per Access Minute (Includes Line Termination and Intercept)

		Rate Per Access Minute
(a)	Per Originating Access Minute of use	$-
(b)	Per Terminating Access Minute of use	-

2. Common Switching Nonchargeable Optional Features
   a. Call denial on line or hunt group, available with FGA
      Per Transmission Path or Transmission Path Group
   b. Service Code Denial on line or hunt group, available with FGA
      Per Transmission Path or Transmission Path Group
   c. Hunt Group Arrangement, available with FGA
      Per Transmission Path Group[3]

[1] Rates and charges based on individual cases will apply.
[2] For FGC this option is available only in electronic end offices.
[3] Optional features on an end office and/or access tandem basis are available only on an entire transmission path group.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

A. Local Switching (Cont'd)

2. Common Switching Nonchargeable Optional Features (Cont'd)

d. Uniform Call Distribution Arrangement, available with FGA

Per Transmission Path Group[1]

e. Nonhunting Numbers for use with Hunt Group Arrangements or U.C.D.

Arrangement available with FGA

Per Transmission Path

f. Automatic Number Identification, available with FGB, FGC and FGD

Per Transmission Path Group[1]

g. Up to 7 Digit Outpulsing of Access Digits to IC, available with FGB

Per Transmission Path Group[1]

h. Dial Pulse Address Signaling, available with FGC

Per Transmission Path Group

i. Service Class Routing, available with FGC and FGD

Per End Office and/or Access Tandem

j. Alternate Traffic Routing, Multiple Customer Premises Alternate Routing available with FGB, FGC and FGD

Per End Office and/or Access Tandem

End Office Alternate Routing, when ordered in trunks, available with FGB and FGD,

Per End office and/or Access Tandem

k. Trunk Access Limitation Arrangement, available with FGC and FGD

Per End Office

l. Call Gapping Arrangement, available with FGD

Per End Office

m. Band Advance Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path Group[1]

n. End Office Customer Line Service Screening on Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path

o. Hunt Group Arrangement for Dedicated Access Lines Service, available with FGC and FGD

Per Transmission Path Group

p. Uniform Call Distribution Arrangement for Dedicated Access Line Service, available with FGC and FGD

[1] Optional features on an end office and/or access tandem basis are available only on an entire transmission path group.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

A. Local Switching (Cont'd)

2. Common Switching Nonchargeable Optional Features (Cont'd)

Per Transmission Path Group

q. Nonhunting Number for use with Hunt Group Arrangement or U.C.D. Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path

3. Transport Termination Nonchargeable Options

a. Line Side Terminations for FGA

(1) Two Way Operation

-Dial Pulse with Loop Start
-Dial Pulse with Ground Start
-DTMF with Loop Start
-DTMF with Ground Start

(2) Terminating Operation

-Dial Pulse with Loop Start
-Dial Pulse with Ground Start
-DTMF with Loop Start
-DTMF with Ground Start

(3) Originating Operation

-Loop Start
-Ground Start

b. Standard Trunk for Originating, Terminating or Two Way operation, available with FGB, FGC and FGD

c. Rotary Dial Station Signaling Trunk, available with FGB

d. Operator Trunk, Non Coin available with FGC also available with FGC or FGD when used in conjunction with Operator Transfer Service

e. Operator Trunk, Full Feature Arrangement, available with FGD

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

B. Line Terminations

1. Common Line and Dedicated Access Line Service Terminations

		Rate
(a)	Per Originating Minute of use	$0.007
(b)	Per Terminating Minute of use	*JSI Tariff Concurrence*

C. Intercept

1. Intercept Charge

(a)	Per 100 Access Minutes[1]	0.0085

D. 800 Access Service

1. IC Identification Charge

(a)	Per 100 calls[2]	0.0079

22.3.5 800 Access Ten Digit Screening Service

A. 800 Access Ten Digit Screening Service

1. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with 800 Number Delivery

		Rate
(a)	Per Query	$0.0079

2. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with 800 Number Delivery for 800 Numbers with Optional Complex Feature, i.e., Call Handling and Destination Features

(a)	Per Query	N/A

3. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with POTS Number Delivery

(a)	Per Query	N/A

4. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with POTS Number Delivery for 800 Numbers with Optional Complex Feature, i.e., Call Handling and Destination Features

(a)	Per Query	N/A

[1] Applies to all Access Minutes.
[2] The rate for the 800 Access Service (NXX Plan) is subject to change upon the approval of the 800 Access Service Data Base Plan.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.6 Service Rearrangements

			Rate
A.	Change of Service		
	1. Submitted on the Same ASR[1]		
	(a)	Per Request	$92.00
B.	Feature Group A		
	1. Line Side Service		
	(a)	Per transmission path[2]	10.00
C.	Feature Groups B, C and D		
	1. Trunk Side Service		
	(a)	Per transmission path[2]	5.00
D.	Common Block		
	1. Translations Related		
	(a)	Per End Office and Tandem Office Affected[2]	90.00
E.	500 Access Service		
	1. Change in dialing capability		
	(a)	Per NXX Per End Office and Tandem Office affected[2]	15.00

22.3.7 Transfer of Service

A.	Transfer of Service		
	1. Billing Account Number		
	(a)	Each	170.00
B.	Feature Group A		
	1. Line Side Service		
	(a)	Per Transmission Path[3]	7.00
C.	Feature Groups B, C and D		
	1. Trunk Side Service		
	(a)	Per Transmission Path[3]	8.00

[1] Services requested on multiple ASRs will be treated as one request when requirements, as specified in 6.1.7, are met.
[2] This charge is in addition to that set forth in 22.3.6.A.
[3] This charge is in addition to that set forth in 22.3.7.A.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.8 500 Access Service

A. 500 Access Service

1. 500 Customer Identification

		Rate
(a)	Per Call	$0.01

2. Service Activation Charge - Per Company End Office Switch or Access Tandem in which translations are required

		Nonrecurring Charge
(a)	First NXX Code Submitted on ASR	$40.00
(b)	Additional NXX Code submitted on ASR	20.00

22.3.9 Local Transport

A. Premium

1. Local Transport Termination

		Rate
(a)	Per Originating Access Minute of use	$0.008400
(b)	Per Terminating Access Minute of use	-

2. Local Transport Facility

(a)	Per Mile, Per Originating Access Minute of use	0.000423
(b)	Per Mile, Per Terminating Access Minute of use	-

3. End Office

a. Local Switching 1

(1) Feature Groups A & B (except: (1) Feature Group B utilized for the provision of MTS/WATS service and (2) Feature Groups A and B when utilized for the provision of terminating inward WATS and WATS-type services at an access WATS Serving Office.

(a)	Per Originating Access Minute	-
(b)	Per Terminating Access Minute	-

b. Local Switching 2

(1) Feature Groups C & D (including: (1) Feature Group B when utilized for the provision of MTS/WATS service and (2) Feature Groups A and B when utilized for the provision of terminating inward WATS and WATS-type services at an equal access WATS Serving Office.Local Switching

(a)	Per Originating Access Minute	0.00900
(b)	Per Terminating Access Minute	*JSI Tariff Concurrence*

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.9 Local Transport (Cont'd)

A. Premium (Cont'd)

4. Directory Assistance Information Surcharge

(a)	Per 100 Originating Access Minutes	0.02900
(b)	Per 100 Originating Access Minutes	*JSI Tariff Concurrence*

22.3.10 End Office

a. Local Switching 1

(1) Feature Groups A & B (except: (1) Feature Group B utilized for the provision of MTS/WATS service and (2) Feature Groups A and B when utilized for the provision of terminating inward WATS and WATS-type services at an access WATS Serving Office.

(a)	Per Originating Access Minute	-
(b)	Per Terminating Access Minute	-

b. Local Switching 2

(1) Feature Groups C & D (including: (1) Feature Group B when utilized for the provision of MTS/WATS service and (2) Feature Groups A and B when utilized for the provision of terminating inward WATS and WATS-type services at an equal access WATS Serving Office.Local Switching

(a)	Per Originating Access Minute	-
(b)	Per Terminating Access Minute	-

2. Directory Assistance Information Surcharge

(a)	Per 100 Access Minutes	-

22.3.11 Tandem Transport

1. Tandem Switched Facility

		Rate
(a)	Per Originating Access Minute Per Mile	$-
(b)	Per Terminating Access Minute Per Mile	*JSI Tariff Concurrence*

2. Tandem Switched Termination

(a)	Per Originating Access Minute Per Termination	-
(b)	Per Terminating Access Minute Per Termination	*JSI Tariff Concurrence*

3. Tandem Switching

(a)	Per Originating Access Minute Per Tandem	-
(b)	Per Terminating Access Minute Per Tandem	*JSI Tariff Concurrence*

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services

22.4.1 Access Connections

		Monthly Rate
A.	Two-Wire Access Connections	
	1. For use with NB1-5, VG1-12 and AP1-4	
	(a) Each Two Wire Access Connection	$1.40
B.	Four-Wire Access Connections	
	1. For use with NB4-5, VG1-12 and DA1-4 with DU facility interface.	
	(a) Each Four Wire Access Connection	2.80
C.	Group Access Connections[1]	
	1. For use with WA1	
	(a) Each group Access Connection	-
D.	20 kHz Access Connection[1]	
	1. For use with WA3	
	(a) Each 20 kHz Access Connection	-
E.	13 kHz Access Connections[1]	
	1. For use with WA4	
	(a) Each 13 kHz Access Connection	-
F.	19.2 kbps Access Connections[1]	
	1. For use with WD1	
	(a) Each 19.2 kbps Access Connection	-
G.	50 kbps Access Connections[1]	
	1. For use with WD2	
	(a) Each 50 kbps Access Connection	-
H.	230.4 kbps Access Connections[1]	
	1. For use with WD3	
	(a) each 230.4 kbps Access Connection	-
I.	56 kbps Access Connections[1]	
	1. For use with WD4	
	(a) Each 56 kbps Access Connection	-

[1] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services

22.4.1 Access Connections

J. DS1 - 1.544 Mbps Access Connections

	Monthly Rate
1. For use with HC1	
(a) Each DS1 Access Connection	$36.00

K. DS1C - 3.152 Mbps Access Connections[1]

1. For use with HC1C	
(a) Each DS1C Access Connection	-

L. DS2 - 6.312 Mbps Access Connections[1]

1. For use with HC2	
(a) Each DS2 Access Connection	-

M. DS3 - 44.736 Mbps Access Connections[1]

1. For use with HC3	
(a) Each DS3 Access Connection	-

N. DS4 - 276.176 Mbps Access Connections[1]

1. For use with HC4	
(a) Each DS4 Access Connection	-

22.4.2 Special Transport

A. Mileage measured between IC serving wire center to Hub, IC serving wire center to End User serving wire center or Hub to End User serving wire center.

1. For method of determining mileage, see 7.4.5 and 10.

a. Fixed and Mileage Charges applicable

(1) Two-wire metallic (for use with NB1-3)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$-	$6.40
(b)	Over 4 to 8 Miles, per mile	.80	6.40
(c)	Over8 to 16 Miles, per mile	.80	6.40
(d)	Over 16 to 25 Miles, per mile	.80	6.40
(e)	Over 25 to 50, per mile	.80	6.40
(f)	Over 50 to Miles, per mile	.80	6.40
(g)	Over 100 Miles, per mile	.80	6.40

[1] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. (Cont'd)

a. Fixed and Mileage Charges applicable (Cont'd)

(2) 75 Baud (for use with NB4)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Milesper mile	$-	$5.45
(b)	Over 4 to 8 Miles, per mile	2.50	4.05
(c)	Over 8 to 16 Miles, per mile	11.95	2.65
(d)	Over 16 to 25 Miles, per mile	21.40	2.00
(e)	Over 25 to 50 Miles, per mile	39.50	1.25
(f)	Over 50 to 100 Miles, per mile	40.20	1.25
(g)	Over 100 Miles, per mile	40.20	1.25

(3) 150 Baud (for use with NB5)

(a)	0 to 4 Miles, per mile		5.45
(b)	Over 4 to 8 Miles, per mile	2.50	4.05
(c)	Over 8 to 16 Miles, per mile	11.95	2.65
(d)	Over 16 to 25 Miles, per mile	21.40	2.00
(e)	Over 25 to 50 Miles, per mile	39.50	1.25
(f)	Over 50 to 100 Miles, per mile	40.20	1.25
(g)	Over 100 Miles, per mile	47.70	1.25

(4) Two-Wire/Four-Wire Voice (for use with VG1-12 and interLATA only Dedicated Access Line Service)

(a)	0 to 4 Miles, per mile		8.09
(b)	Over 4 to 8 Miles, per mile	8.26	6.00
(c)	Over 8 to 16 Miles, per mile	25.75	3.82
(d)	Over 16 to 25 Miles, per mile	61.44	1.63
(e)	Over 25 to 50 Miles, per mile	61.44	1.63
(f)	Over 50 to 100 Miles, per mile	79.33	1.27
(g)	Over 100 Miles, per mile	79.33	1.27

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. (Cont'd)

a. Fixed and Mileage Charges applicable (Cont'd)

(5)	3.5 kHz Audio (for use with AP1)		
(a)	0 to 4 Miles, per mile	-	6.45
(b)	Over 4 to 8 Miles, per mile	2.50	6.45
(c)	Over 8 to 16 Miles, per mile	2.50	6.45
(d)	Over 16 to 25 Miles, per mile	2.50	6.45
(e)	Over 25 to 50 Miles, per mile	2.50	6.45
(f)	Over 50 to 100 Miles, per mile	2.50	6.45
(g)	Over 100 Miles, per mile	2.50	6.45
(6)	5 kHz Audio (for use with AP2)		
(a)	0 to 4 Miles, per mile	$-	$6.45
(b)	Over 4 to 8 Miles, per mile	7.50	6.45
(c)	Over 8 to 16 Miles, per mile	7.50	6.45
(d)	Over 16 to 25 Miles, per mile	7.50	6.45
(e)	Over 25 to 50 Miles, per mile	7.50	6.45
(f)	Over 50 to 100 Miles, per mile	7.50	6.45
(g)	Over 100 Miles, per mile	7.50	6.45
(7)	8 kHz Audio (for use with AP3)		
(a)	0 to 4 Miles, per mile		6.45
(b)	Over 4 to 8 Miles, per mile	6.90	6.45
(c)	Over 8 to 16 Miles, per mile	6.90	6.45
(d)	Over 16 to 25 Miles, per mile	6.90	6.45
(e)	Over 25 to 50 Miles, per mile	6.90	6.45
(f)	Over 50 to 100 Miles, per mile	6.90	6.45
(g)	Over 100 Miles, per mile	6.90	6.45

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. (Cont'd)

a. Fixed and Mileage Charges applicable (Cont'd)

(8)	15 khz Audio (for use with AP4)[1]		
(a)	0 to 4 Miles, per mile	-	-
(b)	Over 4 to 8 Miles, per mile	-	-
(c)	Over 8 to 16 Miles, per mile	-	-
(d)	Over 16 to 25 Miles, per mile	-	-
(e)	Over 25 to 50 Miles, per mile	-	-
(f)	Over 50 to 100 Miles, per mile	-	-
(g)	Over 100 Miles, per mile	-	-
(9)	Group (for use with WA1 and WA1T),[2]		
(10)	20 kHz (for use with WA3)[1]		
(11)	13 kHz (for use with WA4)[1]		
(12)	19.2 kbps (for use with WD1)[1]		
(13)	50.0 kbps (for use with WD2)[1]		
(14)	230.4 kbps (for use with WD3)[1]		
(15)	56.0 kbps (for use with WD4)[1]		
(16)	Digital Data 1 (for use with DA1)		
(a)	0 to 4 Miles, per mile	$143.70	$-
(b)	Over 4 to 8 Miles, per mile	184.00	2.30
(c)	Over 8 to 16 Miles, per mile	184.00	2.30
(d)	Over 16 to 25 Miles, per mile	184.00	2.30
(e)	Over 25 to 50 Miles, per mile	184.00	2.30
(f)	Over 50 to 100 Miles, per mile	184.00	2.30
(g)	Over 100 Miles, per mile	184.00	2.30

[1] Rates and Charges based on individual cases will apply.
[2] For WA1T, two are required

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. (Cont'd)

a. Fixed and Mileage Charges applicable (Cont'd)

(17) Digital Data 2 (for use with DA2)

(a)	0 to 4 Miles, per mile	151.05	-
(b)	Over 4 to 8 Miles, per mile	193.30	2.80
(c)	Over 8 to 16 Miles, per mile	193.30	2.80
(d)	Over 16 to 25 Miles, per mile	193.30	2.80
(e)	Over 25 to 50 Miles, per mile	193.30	2.80
(f)	Over 50 to 100 Miles, per mile	193.30	2.80
(g)	Over 100 Miles, per mile	193.30	2.80

(18) Digital Data 3 (for use with DA3)

(a)	0 to 4 Miles, per mile	182.80	-
(b)	Over 4 to 8 Miles, per mile	212.15	3.10
(c)	Over 8 to 16 Miles, per mile	212.15	3.10
(d)	Over 16 to 25 Miles, per mile	212.15	3.10
(e)	Over 25 to 50 Miles, per mile	212.15	3.10
(f)	Over 50 to 100 Miles, per mile	212.15	3.10
(g)	Over 100 Miles, per mile	212.15	3.10

2. Digital Data 4 (for use with DA4)

(a)	0 to 4 Miles, per mile	$384.80	$-
(b)	Over 4 to 8 Miles, per mile	360.05	8.00
(c)	Over 8 to 16 Miles, per mile	360.05	8.00
(d)	Over 16 to 25 Miles, per mile	360.05	8.00
(e)	Over 25 to 50 Miles, per mile	360.05	8.00
(f)	Over 50 to 100 Miles, per mile	360.05	8.00
(g)	Over 100 Miles, per mile	360.05	8.00

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

3. DS1 - 1.544 Mbps (for use with HC1[1] and interLATA only Dedicated Access Line Service)

(a)	0 to 4 Miles, per mile	26.85	30.00
(b)	Over 4 to 8 Miles, per mile	26.85	30.00
(c)	Over 8 to 16 Miles, per mile	26.85	30.00
(d)	Over 16 to 25 Miles, per mile	26.85	30.00
(e)	Over 25 to 50 Miles, per mile	26.85	30.00
(f)	Over 50 to 100 Miles, per mile	26.85	30.00
(g)	Over 100 Miles, per mile	26.85	30.00

4. DS1C - 3.152 Mbps (for use with HC1C[1])

   Rates and charges based on individual cases will apply.

5. DS2 - 6.312 Mbps (for use with HC2[1])

   Rates and charges based on individual cases will apply.

6. DS3 - 44.736 Mbps (for use with HC3[1])

   Rates and charges based on individual cases will apply.

7. DS4 - 274.176 Mbps (for use with HC4[1])

   Rates and charges based on individual cases will apply.

[1] Additional applications are obtainable through the use of suitable multiplexing at the Hub.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions

A. Facility Interface Combinations

1. Narrowband Services

Facility Interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Termination	Nonrecurring Charge Per Service Termination Additional Service
(a)	DC/DC (NB1, 2 and 3)	$-	$123.00	$46.00
(b)	TT/TT (NB4)	3.85	268.50	169.50
(c)	DB 10/TT (NB4)	3.85	268.50	169.50
(d)	DB 10/IA (NB5)	6.00	268.50	169.50
(e)	AH/DC[1] (NB2)	-	123.00	46.00
(f)	AH/TT[1] (NB4)	3.85	268.50	169.50
(g)	AH/IA[1] (NB5)	6.00	268.50	169.50
(h)	DS/DC[2] (NB2)	-	123.00	46.00
(i)	DS/TT[2] (NB4)	3.85	268.50	169.50
(j)	DS/IA[2] (NB5)	6.00	268.50	169.50

2. Voice Grade Services

Facility interfaces are specified in the order of IC/End User

(a)	AB/AC (VG2)	.65	147.00	44.00
(b)	AB/SF (VG2)	-	141.50	38.50
(c)	AH/AC (VG2)[3,4]	.65	147.00	44.00
(d)	AH/DA (VG5, 6, 10 & 12)[4]	-	141.50	38.50
(e)	AH/DE (VG5)[4]	-	141.50	38.50
(f)	AH/DX (VG9)[4]	-	141.50	38.50
(g)	AH/DY (VG3, 7, & 8)[4]	-	141.50	38.50
(h)	AH/EA (VG3, 7, 8, & 9)[4]	2.75	160.50	57.50

[1] Requires intermediate DS1 to Voice multiplexor.
[2] Requires intermediate multiplexing.
[3] Requires intermediate DS1 to Voice multiplexor.
[4] Requires intermediate Group to Voice multiplexor.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(i)	AH/EB (VG3, 7, 8, & 9) [4]	$2.75	$160.50	$57.50
(j)	AH/GO (VG1) [4]	-	141.50	38.50
(k)	AH/GS (VG1, 3, & 7) [4]	-	141.50	38.50
(l)	AH/LA (VG2 & 7) [4]	2.60	156.50	53.50
(m)	AH/LB (VG2 & 7) [4]	1.75	151.00	48.00
(n)	AH/LC (VG2 & 7) [4]	.20	143.00	40.00
(o)	AH/LO (VG1, 2 & 7) [4]	-	141.50	38.50
(p)	AH/LR (VG2) [4]	3.70	156.50	53.50
(q)	AH/LS (VG1, 2, 5, 6, 7, 9, 10, & 12) [4]		141.50	38.50
(r)	AH/NO (VG1, 2, 5, 6, 7, & 9) [4]	-	141.50	38.50
(s)	AH/RV (VG3, & 7) [4]	-	141.50	38.50
(t)	AH/SF (VG2, 3, 7, 8 & 9)	-	141.50	38.50
(u)	AH/TF (VG11) [4]	-	141.50	38.50
(v)	DA/DA (VG10)	-	141.50	38.50
(w)	DB/DA (VG6, 10 & 12)	-	141.50	38.50
(x)	DB/NO (VG6)	-	141.50	38.50
(y)	DD/DE (VG5)	-	141.50	38.50
(z)	DS/AC (VG2) [1]	.65	147.00	44.00

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(aa)	DS/DA (VG5, 6, 10 & 12) [1]	$141.50	$38.50	$-
(bb)	DS/DE (VG5) [1]	-	141.50	38.50
(cc)	DS/DX (VG9) [1]	-	141.50	38.50
(dd)	DS/DY (VG3, 7, & 8) [1]	-	141.50	38.50
(ee)	DS/EA (VG3, 7, 8, & 9) [1]	2.75	160.50	57.50
(ff)	DS/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(gg)	DS/GO (VG1)[1]	-	141.50	38.50
(hh)	DS/GS (VG1, 3, & 7)[1]	-	141.50	38.50
(ii)	DS/LA (VG2 & 7)[1]	2.60	156.50	53.50
(jj)	DS/LB (VG2 & 7)[1]	1.75	151.00	48.00
(kk)	DS/LC (VG2 & 7)[1]	.20	143.00	40.00
(ll)	DS/LO (VG1, 2, & 7)[1]	-	141.50	38.50
(mm)	DS/LR (VG2)[1]	3.70	156.50	53.50
(nn)	DS/LS (VG2, 2, 3, 7, & 8)[1]	-	141.50	38.50
(oo)	DS/NO (VG1, 2, 5, 6, 7, & 9)[1]	-	141.50	38.50
(pp)	DS/RV (VG3 & 7)[1]	-	141.50	38.50

[1] Requires intermediate DS1 to Voice multiplexor.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(qq)	DS/SF (VG2, 3, 7, 8 & 9)[1]	$-	$141.50	$38.50
(rr)	DS/TF (VG11)[1]	-	141.50	-
(ss)	DX/DX (VG9)	-	-	38.50
(tt)	DX/DY (VG3, 7, & 8)	-	141.50	38.50
(uu)	DX/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(vv)	DX/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(ww)	DX/LA (VG2 & 7)	2.60	156.50	53.50
(xx)	DX/LB (VG2 & 7)	1.75	151.00	48.00
(yy)	DX/LC (VG2 & 7)	.20	143.00	40.00
(zz)	DX/LO (VG2 & 7)	-	141.50	38.50
(aaa)	DX/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(bbb)	DX/RV (VG3 & 7)	-	141.50	38.50
(ccc)	DX/SF (VG2, 3, 7, 8, & 9)	-	141.50	38.50
(ddd)	EA/AC (VG2)	65	147.00	44.00
(eee)	EA/DX (VG9)	-	141.50	38.50
(fff)	EA/DY (VG3, 7, & 8)	-	141.50	38.50
(ggg)	EA/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(hhh)	EA/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(iii)	EA/LA (VG2 & 7)	$2.60	$156.50	$53.50
(jjj)	EA/LB (VG2 & 7)	1.75	151.00	48.00
(kkk)	EA/LC (VG2 & 7)	.20	143.00	40.00
(lll)	EA/LO (VG2 &7)	-	141.50	38.50
(mmm)	EA/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(nnn)	EA/RV (VG3 & 7)	-	141.50	38.50
(ooo)	EA/SF (VG2, 3, 7, 8 & 9)	-	141.50	38.50
(ppp)	EB/AC (VG2)	.65	147.00	44.00
(qqq)	EB/DX (VG9)	-	141.50	38.50
(rrr)	EB/DY (VG3, 7, & 8)	-	141.50	38.50
(sss)	EB/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(ttt)	EB/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(uuu)	EB/LA (VG2 & 7)	2.60	156.50	53.50
(vvv)	EB/LB (VG2 & 7)	1.75	151.00	48.00
(www)	EB/LC (VG2 & 7)	.20	143.00	40.00
(xxx)	EB/LO (VG2 & 7)	-	141.50	38.50
(yyy)	EB/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(zzz)	EB/RV (VG3 & 7)	-	141.50	38.50

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(aaaa)	EB/SF (VG2, 3, 7, 8, & 9)	$-	$141.50	$38.50
(bbbb)	EC/DY (VG3, 7, & 8)	-	141.50	38.50
(cccc)	EC/EA (VG3, 7, & 8)	2.75	160.50	57.50
(dddd)	EC/EB (VG3, 7, & 8)	2.75	160.50	57.50
(eeee)	EC/SF (VG3, 7 & 8)	-	141.50	38.50
(ffff)	EX/GS (VG3 & 7)	-	141.50	38.50
(gggg)	EX/LA (VG2 & 7)	2.60	156.50	53.50
(hhhh)	EX/LB (VG2 & 7)	1.75	151.00	48.00
(iiii)	EX/LC (VG2 & 7)	-	143.00	40.00
(jjjj)	EX/LO (VG1, 2, & 7)	-	141.50	38.50
(kkkk)	EX/LR (VG2)	3.70	156.50	53.50
(llll)	EX/LS (VG1, 2, 3, & 7)	-	141.50	38.50
(mmmm)	EX/SF (VG1, 3, & 7)		141.50	38.50
(nnnn)	GO/GS (VG1, 3, & 7)	-	141.50	38.50
(oooo)	GO/SF (VG3 & 7)	-	141.50	38.50

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(pppp)	GS/GO (VG1)	$-	$141.50	$38.50
(qqqq)	LO/LS (VG1, 2, 3, 7, & 8)	-	141.50	38.50
(rrrr)	LO/SF (VG2, 3, & 7)	-	141.50	38.50
(ssss)	LR/LR (VG2)	3.70	156.50	53.50
(tttt)	LR/SF (VG2)	-	141.50	
(uuuu)	LS/LA (VG2 & 7)	2.60	156.50	53.50
(vvvv)	LS/LB (VG2 & 7)	1.75	151.00	48.00
(wwww)	LS/LC (VG2 & 7)	.20	143.00	40.00
(xxxx)	LS/LO (VG1, 2, & 7)	-	141.50	38.50
(yyyy)	LS/SF (VG2)	-	141.50	38.50
(zzzz)	NO/DA (VG6, 10, & 12)	-	141.50	38.50
(aaaaa)	NO/NO (VG1, 2, 5, 6, 7, & 9)	-	141.50	38.50
(bbbbb)	RV/RV (VG3 & 7)	-	141.50	38.50
(ccccc)	RV/SF (VG3 & 7)	-	141.50	38.50
(ddddd)	SF/AC (VG2)	.65	147.00	44.00
(eeeee)	SF/DX (VG9)	-	141.50	38.50
(fffff)	SF/DY (VG3, 7, & 8)	-	141.50	38.50

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(ggggg)	SF/EA (VG3, 7, 8, & 9)	$2.75	$160.50	$57.50
(hhhhh)	SF/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(iiiii)	SF/GS (VG1, 3, & 7)	-	141.50	38.50
(jjjjj)	SF/LA (VG2, & 7)	2.60	156.50	53.50
(kkkkk)	SF/LB (VG2 & 7)	1.75	151.00	48.00
(lllll)	SF/LC (VG2 & 7)	.20	143.00	40.00
(mmmmm)	SF/LO (VG1 & 2)		141.50	38.50
(nnnnn)	SF/LR (VG2)	3.70	156.50	53.50
(ooooo)	SF/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(ppppp)	SF/RV (VG3 & 7)	-	141.50	38.50
(qqqqq)	SF/SF (VG2, 3, 7, 8, & 9)	-	141.50	38.50
(rrrrr)	TF/TF (VG11)	-	141.50	38.50

3. Wideband Analog Services[1]

Facility Interfaces are specified in the order of IC/End User

(a)	AH D/AH B (WA1)	-	-	-
(b)	AH C/AH B (WA1)	-	-	-
(c)	AH B/AH B (WA1)	-	-	-
(d)	AH C/AH C (WA2)	-	-	-
(e)	AH D/AH C (WA2)	-	-	-
(f)	AH D/AH D (WA2A)	-	-	-
(g)	WD 1/WA 1 (WA3)	-	-	-
(h)	WD 2/WA 1 (WA3)	-	-	-
(i)	WD 3/WA 2 (WA4)	-	-	-

[1] Wideband Analog Services will be rated and provided on an individual case basis.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

4. Wideband Digital Services[1]

Facility Interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(a)	WB 19S/WC 19 (WD1)	$ -	$ -	$ -
(b)	WB 18S/WC 18 (WD1)	-	-	-
(c)	WB 19A/WC 19 (WD1)	-	-	-
(d)	WB 50S/WC 50 (WD2)	-	-	-
(e)	WB 40S/WC 40 (WD2)	-	-	-
(f)	WB 50A/WC 50 (WD2)	-	-	-
(g)	WB 23S/WC 23S (WD3)	-	-	-
(h)	WB 23A/WC 23 (WD3)	-	-	-
(i)	WB 64/DU 56 (WD4)	-	-	-
(j)	DO/DU 56 (WD4)	-	-	-

5. Digital Data Access Services

Facility Interfaces are specified in the order of IC/End User

(a)	DU 24/DU 24 (DA1)	-	180.00	61.00
(b)	DS/DU 24[2] (DA1)	-	180.00	61.00
(c)	DU 48/DU 48 (DA2)	-	180.00	58.00
(d)	DS/DU 48[1] (DA2)	-	180.00	58.00
(e)	DU 96/DU 96 (DA3)	-	195.00	76.00
(f)	DS/DU96[1] (DA3)	-	195.00	76.00
(g)	DU 56/DU 56 (DA4)	-	210.00	90.00
(h)	DS/DU 56[3] (DA4)	-	$210.00	$90.00

[1] Wideband Digital Services will be rated and provided on an individual case basis.
[2] Digital Data Carrier Multiplexing Equipment is required.
[3] Digital Data Carrier Multiplexing Equipment is required.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

6. High Capacity Services

Facility Interfaces are specified in the order IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(a)	DS 15/DU (HC1)	$24.10	$287.93	$162.00
(b)	DS 31/DS 31 (HC1C)[1]	-	-	-
(c)	DS 31/DS 15 (HC1C)[2]	-	-	-
(d)	DS 63/DS 63 (HC2)[2,2]	-	-	-
(e)	DS 63/DS 15 (HC2)	-	-	-
(f)	DS 44/DS 44 (HC3)[2,3]	-	-	-
(g)	DS 44/DS 15 (HC3)[2]	-	-	-
(h)	DS 27/DS 27 (HC4)[2,3]	-	-	-
(i)	DS 27/DS 15 (HC4)[2]	-	-	-

[1] Rates and Charges based on individual case will apply.
[2] Available only from an IC terminal location to another IC terminal location or to a Hub.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

B. Voice Grade Performance

1. Performance, Per two-point service or each section (i.e., midlink or end link) of a multipoint service.

		Monthly Rate	Nonrecurring Charge (To Install Service) First Service	Nonrecurring Charge (To Install Service) Each Additional Identical Service
(a)	VG1	$7.35	$53.00	$53.00
(b)	VG2	19.30	68.00	68.00
(c)	VG3	-	-	-
(d)	VG5	12.85	56.00	56.00
(e)	VG6	27.70	105.00	105.00
(f)	VG7	19.30	68.00	68.00
(g)	VG8	19.30	68.00	68.00
(h)	VG9	19.50	105.00	105.00
(i)	VG10	20.45	105.00	105.00
(j)	VG11	7.35	53.00	53.00
(k)	VG12	7.35	53.00	53.00

C. Hub Functions

1. Multiplexing

a. DS4 to DS1 arrangement

(1) An arrangement that provides a 274.176 Mbps capacity to multiplex, on a digital time division basis, 168 DS1 channels. (available with HC4)

		Monthly Rate	Nonrecurring Charge
(a)	Per arrangement	$2,815.56	$1,465.73

b. DS3 to DS1 arrangement

(1) An arrangement that provides a 44.736 Mbps capacity to multiplex, on a digital time division basis, 28 DS1 channels. (available with HC3)

(a)	Per arrangement	299.92	370.68

c. DS2 to DS1 arrangement

(1) An arrangement that provides a 6.312 Mbps capacity to multiplex, on a digital time division basis, four DS1 channels. (available with HC2)

(a)	Per arrangement	99.92	182.96

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

1. Multiplexing (Cont'd)

d. DS1C to DS1 arrangement

	Monthly Rate	Nonrecurring Charge
(1) An arrangement that provides a 3.152 Mbps capacity to multiplex, on a digital time division basis, two DS1 channels. (available with HC1C)		
(a) Per arrangement	20.69	167.32
e. Group to DS1 arrangement[1]		
(1) An arrangement that provides two group capacities (i.e., WA1T) to multiplex to a DS1 level. (Available with WA1T)		
(a) Per arrangement	-	-
f. DS1 to Voice arrangement		
(1) An arrangement that provides a 1.544 Mbps capacity to multiplex, on a digital time division basis, 24 Voice or Digital Data[2] grade channels. (Available with HC1)		
(a) Per arrangement	103.24	151.68
g. Group to Voice arrangement		
(1) An arrangement that provides a Group capacity to multiplex, on a frequency division basis, 12 Voice grade channels. (Available with WA1)		
(a) Per arrangement[1]	$-	$-

[1] Rates and charges based on individual case will apply.
[2] Digital Data channels are only available from the serving wire center serving the Company designator digital Hub. Digital Data or DS1 is used only as a component of DA1-4.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

1. Multiplexing (Cont'd)

h. Digital Data Multiplexing (Required with Digital Data Access service with DS facility interface at IC terminal location).

(1) Carrier Multiplexing Unit

- an arrangement that provides a 1.544 Mbps capacity to multiplex on a digital time division basis, 23 64 kbps channels.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Per Unit	$150.95	$140.47	$-

(2) Carrier Multiplexing Plug-Ins

(a)	Per 64 kbps channel equipped[1]	1.56	53.09	135.20

(3) Carrier Sub-Multiplexing Unit: an arrangement that provides a 64 kbps capacity to multiplex on a digital time division basis, subspeed Digital Data Access Services.

(a)	Twenty 2.4 kbps services	146.39	88.66	167.03
(b)	Ten 4.8 kbps services	75.45	70.88	151.12
(c)	Five 9.6 kbps services	52.45	70.88	151.12

2. Bridging

a. Narrowband Bridges

(1) Two-Wire Bridging (available with NB1-3)

		Monthly Rate	Nonrecurring Charge
(a)	Per Port	$-	$-

(2) Telegraph Bridging (available with NB4 and NB5)

(a)	Two Wire, per Port	-	-
(b)	Four Wire, per Port	-	-

[1] Required with DS1 to Digital Data channels hub multiplexing capability (MQ1)

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

2. Bridging (Cont'd)

b. Voice Grade Bridges

		Monthly Rate	Nonrecurring Charge
(1)	Voice Bridging (available with VG2 & 12)		
(a)	Two Wire, per Port	$30.80	$102.00
(b)	Four Wire, per Port	30.80	102.00
(2)	Data Bridging (available with VG5, 6, & 10)		
(a)	Two Wire, per Port	$9.10	$58.00
(b)	Four Wire, per Port	9.10	58.00
(3)	Telephoto Bridging (available with VG11)		
(a)	Two Wire, per Port	30.80	102.00
(b)	Four Wire, per Port	30.80	102.00
(4)	Telemetry and Alarm Bridging (Available with VG5)		
	Split Band, Active Briding		
(a)	Channel Connections, per channel connected,	2.60	17.00
	Remote station channel connection, each		
	Passive Bridging		
(b)	Channel Connections, per channel connected[1]	2.60	17.00
	Summation, Active Bridging		
(c)	Channel Connections, per channel connected[1]	2.60	17.00

c. Digital Data Access Bridges (available with DA1-4)

(1)	Central Office Bridge		
(a)	Per Port	7.72	10.45

3. Digital Data Secondary Channel Capability

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Per Digital Data Access Connection and Special Access Line, each	$15.00	$-	$485.00

[1] Rates and charges based on individual case will apply.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions-Voice Grade Services

1. Conditioning

Conditioning provides more specific transmission characteristics for data or telephoto services. There are two types of data conditioning, C-Type and DA-Type. C-Type conditioning controls attenuation distortion and envelope delay distortion; DA-Type conditioning controls the signal to C-notched noise ratio and intermodulation distortion. Telephoto conditioning controls attenuation distortion and envelope delay distortion.

Conditioning is charged for on a per two-point service or each section (i.e., midlink or end link) of a multi-point basis. The parameters listed for each type of conditioning apply from point of interface to network interface. For two-point services the parameters apply to each service. For multipoint services, the parameters apply to any path between any two service terminal points. C-Type and DA-Type conditioning are available only for data services. C-Type and DA-Type conditioning may be combined on the same service.

Telephoto conditioning is available only for VG11 services.

a. C-Type Conditioning

(1) For the additional control of attenuation distortion and envelope delay distortion on data services.

(2) Attenuation Distortion (Frequency Response) Relative to 1004 Hz

Frequency Range (Hz)	Variation (dB)
400-2800	1.0 to 2.0
300-3000	1.0 to 3.0
300-3200	2.0 to 6.0

(3) Envelope Delay Distortion

Frequency Range (Hz)	Variation (micro seconds)
1000-2600	100
600-2600	300
500-2800	600

(4) C-Type Conditioning is available in VG6, 7 & 10.

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a) C Type Conditioning, Per Two point Service or each section (i.e., midlink or end link) of a multipoint service.	$1.80	$9.00	$213.00

b. DA-Type Conditioning

(1) For the control of signal to C-notched noise ratio and intermodulation distortion on data services. DA-Type conditioning is available for two-point services or three point multipoint services.

(2) The signal to C-notched noise ratio and intermodulation distortion parameters for DA-Type conditioning are:

Signal to C-Notched Noise Ratio 32 dB

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions Voice Grade Services (Cont'd)

1. Conditioning (Cont'd)

b. DA Type Conditioning (Cont'd)

(3) Intermodulation distortion:

Signal to second order modulation products (R2) is equal to or greater than 38 dB.
Signal to third order modulation products (R3) is equal to or greater than 42 dB.

(4) When a service equipped with DA-Type conditioning is used for voice communications, the quality of the voice transmission may not be satisfactory.

(5) DA-Type Conditioning is available with VG6, 7 and 10.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	DA Type Conditioning, Per Two Point Service or each section (i.e., mid link or end link) of a multipoint service.	$15.00	$372.00	$576.00

c. Telephoto Conditioning

(1) For the control of attenuation distortion and envelope delay distortion on telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Conditioning are:

Attenuation Distortion

(1004 Hz Reference)

Frequency Range (Hz)	Variation (db)
500 3000	0.5 to +1.5
300 3200	1.0 to +2.5

Envelope Delay Distortion

Frequency Range (Hz)	Variation (mcs)
1000 2600	110
800 2800	180

(2) Telephoto Conditioning is available with VG11 only.

(a)	Telephoto Conditioning, Per Two Point Service or each section (i.e., midlink or end link) of a multipoint service	-	-	-

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions Voice Grade Services (Cont'd)

2. Improved return loss for effective two-wire transmission at the end user's premises

a. Available with VG2, 3 and 7

(1) This option is applicable to all interfaces except E&M, SF & DX when the impedance code 2 is specified. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available.

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a) Improved Return Loss, Per end user, premises per service which this option is available.	$1.95	$13.59	$39.80
3. Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available.			
(a) Improved Return Loss, Per IC terminal location, per service	$1.95	$24.68	$50.89
4. IC specified end user premises receive level within a range acceptable to the Company on effective four-wire transmission. (Available with VG2, 3, 7, 8 & 9)			
(a) Specified receive level, per end user premises, per service	-	9.63	35.84

E. Optional Features and Functions - Dedicated Access Line Service

1. Two-Wire Improved Voice Transmission Parameters: (the guaranteed levels are set forth in 7.2.1.F.4.b. preceding)			
(a) Per service	$6.43	$11.04	$460.89
2. Four-Wire Improved Voice Transmission Parameters: (the guaranteed levels are set forth in 7.2.1.F.4.c. preceding)			
(a) Per service	6.43	11.04	460.89

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

F. Optional Features and Functions - Digital Data Access Services

1. Loop Transfer Arrangement

a. An arrangement that affords the end user an additional measure of protection to its access channel(s) on a 1 x N basis. This arrangement is only available from a Company designated digital hub. A key activated control service is required to operate the transfer arrangement. This control service must be separately ordered.

(1) Available with DA1, 2, 3 and 4.

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a) Transfer Arrangement, each	16.92	87.96	186.33

G. Optional Features and Functions - High Capacity Services

1. Automatic Protection Switching

a. Switching equipment placed at both ends of a duplicate standby service to automatically switch the standby service to the active state in the event of service failure. Duplicate 1.544 Mbps Service must also be ordered.

(1) Available with HC1.

(a) Per Arrangement	281.15	68.27	159.66

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines

A. Two-Wire[1]

1. For use with NB1-5, VG1-12 and AP1-4

		Monthly Rate
(a)	Two Wire Special Access Line, each	$13.05

2. For use with Dedicated Access Line Service

		Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a)	Two wire Special Access Line, each	$34.00	$141.00	$64.00

B. Four-Wire1

1. For use with NB4-5, VG1-12 and DA1-4

		Monthly Rate
(a)	Four Wire Special Access Line, each	$26.10

2. For use with Dedicated Access Line Service

		Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a)	Four wire Special Access Line, each	$45.00	$157.00	$80.00

C. Group[1,2]

1. For use with WA1

		Monthly Rate
(a)	Group Special Access Line, each	$-

D. 20 kHz[3,4]

1. For use with WA3

(a)	20 kHz Special Access Line, each	-

[1] See 7.4.2 preceding for application of Special Access Service Surcharge.
[2] Rates and Charges based on individual cases will apply.
[3] See 7.4.2 preceding for application of Special Access Service Surcharge.
[4] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines (Cont'd)

E. 13 kHz[3,4]

1. For use with WA4

		Monthly Rate
(a)	13 kHz Special Access Line, each	-

F. 19.2 kbps[3,4]

1. For use with WD1

(a)	19.2 kbps Special Access Line, each	-

G. 50 kbps[3,4]

1. For use with WD2

(a)	50 kbps Special Access Line, each	-

H. 230.4 kbps[3,4]

1. For use with WD3

(a)	230.4 kbps Special Access Line, each	-

I. 56 kbps[3,4]

1. For use with WD4

(a)	56 kbps Special Access Line, each	-

J. DS1 - 1.544 Mbps[3]

1. For use with HC1

(a)	DS1 1.544 Mbps Special Access Line, each	110.83

K. DS1C - 3.152 Mbps[3,4]

1. For use with HC1C

(a)	DS1C 3.152 Mbps Special Access Line, each	-

L. DS2 - 6.312 Mbps[3,4]

1. For use with HC2

(a)	DS2 6.312 Special Access Connection, each	-

M. DS3 - 44.736 Mbps[3,4]

1. For use with HC3

(a)	DS3 44.736 Mbps Special Access Line, each	-

N. DS4 - 274.176 Mbps[3,4]

1. For use with HC4

(a)	DS4 274.176 Mbps Special Access Line, each	-

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines (Cont'd)

O. Optional Feature

1. Hybrid

Provides conversion from four-wire SAL to two-wire termination at end user premises. Required to meet effective four-wire performance with a two-wire end user premises facility interface.

		Monthly Rate	Nonrecurring Charge
(a)	Hybrid, each	$-	$-

P. Special Access Service Surcharge[1]

1. Per voice equivalent channel (non DAL), billed to the IC

		Monthly Rate
(a)	each	$25.00

2. Per DAL, billed to the IC

(a)	each	-

22.4.5 Voice Grade Service

A. Channel Termination

1. Per Point of Termination

		Monthly Rate	Nonrecurring Charge
(a)	Two Wire	$33.12	$223.24
(b)	Four Wire	46.81	223.24

B. Channel Mileage

1. Mileage Facility

(a)	Per Mile	2.41	-

2. Mileage Terminal

(a)	Per Terminal	14.09	-

[1] See 7.4.2 preceding for application of Special Access Service Surcharge.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

C. Optional Features and Functions

1. Bridging

a. Two-Wire/Four-Wire

(1) Per Port

	Monthly Rate	Nonrecurring Charge
(2)		
(a) Two Wire	$4.33	$-
(b) Four Wire	4.33	-
b. Data Bridging, Two-Wire/Four-Wire		
(1) Per Port		
(a) Two Wire	4.33	-
(b) Four Wire	4.33	-
c. Telephoto Bridging, Two-Wire/Four-Wire		
(1) Per Port		
(a) Two Wire	4.33	-
(b) Four Wire	4.33	-
d. Addressable Arrangement		
(1) Per channel connected		
(a) Two Wire	25.80	-
(b) Four Wire	131.35	-
e. Telemetry/Alarm Bridging Service (TABS) Bridging		
(1) Per channel connected		
(a) Split Band	9.12	-
(b) Summation	1.55	-
(c) Passive	0.23	-
2. Conditioning, Per Terminal		
(a) C Type	$6.45	$
(b) Sealing Current	-	-

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

C. Optional Features and Functions (Cont'd)

3. Improved Return Loss

(1) Per Terminal

(a)	Two Wire	1.91	-
(b)	Four Wire	1.91	-

4. Customer Specified Receive Level, Per Terminal

(a)	Two Wire		

5. Multiplexing, Voice to Telegraph

(a)	Per Arrangement	245.68	-

6. Data Capability

(a)	Per Terminal	1.44	247.03

7. Telephoto Conditioning

(a)	Per Terminal	3.19	247.03

8. Signaling Capability

(a)	Per Terminal	14.89	-

9. Selective Signaling Arrangement

(a)	Per Arrangement	15.92	-

10. Transfer Arrangement

(a)	Key Activated or Dial up, Per Four Port Arrangement	3.41	-

D. Public Packet Switching Network (PPSN)

1. Interface Arrangement

(a) Per Arrangement[1]

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.6 Digital Data Access Service

A. Channel Terminal

1. Per Terminal

		Monthly Rate	Nonrecurring Charge
(a)	2.4 Kbps	$105.97	$311.64
(b)	4.8 Kbps	105.97	311.64
(c)	9.6 Kbps	105.97	311.64
(d)	56.0 Kbps	105.97	311.64

B. Channel Mileage

1. Facility, Per Mile

(a)	2.4 Kbps	2.41	-
(b)	4.8 Kbps	2.41	-
(c)	.6 Kbps	2.41	-
(d)	56.0 Kbps	2.41	-

2. Terminal, Each

(a)	2.4 Kbps	14.09	-
(b)	4.8 Kbps	14.09	-
(c)	9.6 Kbps	14.09	-
(d)	56.0 Kbps	14.09	-

C. Optional Features and Functions

1. Bridging

(a)	Per Port	26.93	-

2. Loop Transfer Arrangement (Key Activated or Dial-up)

(a)	Per Four Port Arrangement	6.75	-

D. Public Packet Switching Network (PPSN)

1. Interface Arrangement

(a)	Per 9.6 Kbps[1] Arrangement	-	-
(b)	Per 56.0 Kbps[1] Arrangement	-	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.6 Digital Data Access Service (Cont'd)

E. Channel Service Unit

1. Per Terminal

		Monthly Rate	Nonrecurring Charge
(a)	2.4 Kbps	$18.60	$-
(b)	4.8 Kbps	19.88	-
(c)	9.6 Kbps	20.85	-
(d)	56.0 Kbps	21.73	-

22.4.7 High Capacity Service

A. Channel Terminal

1. Per Terminal

(a)	1.544 Mbps	271.17	381.10
(b)	3.152 Mbps[1]	-	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

B. Channel Mileage

1. Facility, Per Mile

(a)	1.544 Mbps	1.29	-
(b)	3.152 Mbps	31.91	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

2. Terminal, Each

(a)	1.544 Mbps	17.77	-
(b)	3.152 Mbps	178.15	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.7 High Capacity Service (Cont'd)

C. Optional Features and Functions

1. Multiplexing

a. DS4 to DS1

(1) Per Arrangement

	Monthly Rate	Nonrecurring Charge
(a) Each[1]	$ -	$ -
(b) DS3 to DS1	-	-
(2) Per Arrangement		
(a) Each[1]	-	-
b. DS2 to DS1		
(1) Per Arrangement		
(a) Each[1]	-	-
c. DS1C to DS1		
(1) Per Arrangement		
(a) Each[1]	-	-
d. DS1 to Voice		
(1) Per Arrangement		
(a) Each	360.44	-
e. DS1 to DS0		
(1) Per Arrangement		
(a) Each	624.91	-
f. DS0 to Subrates		
(1) Per Arrangement		
(a) Up to 20 2.4 Kbps services	511.06	-
(b) Up to 10 4.8 Kbps services	263.41	-
(c) Up to 5 9.6 Kbps services	183.12	-
2. Automatic Loop Transfer		
(a) Per Arrangement	440.03	-
3. Transfer Arrangement		
(a) Key Activated or Dial up, Per Four Port Arrangement	187.03	
4. Network Channel Terminating Equipment, Per Terminal		
(a) 1.544 Mbps	96.02	-
(b) Automatic Loop Transfer	1,013.35	-

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.8 Transfer of Service

A. Service Rearrangements

1. Special Access Circuits

		Nonrecurring Charge
(a)	Per Billing Account Number	$140.00
(b)	Per circuit	7.00

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges

22.5.1 Charges for Additional Engineering

1. Engineering Consultation and Engineering of Connections with other telephone companies (if not Concurring Carriers):

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic time, regularly scheduled work hours, Per Engineer	$66.00	$39.79
(b)	Overtime, outside of regularly scheduled work hours, Per Engineer	73.41	47.20

22.5.2 Charges for Additional Labor

A. The charges for additional labor are as follows:

1. Overtime Installation or Repair

(a)	Overtime, outside of regularly scheduled working hours on a scheduled work day,[1] Per Technician	29.31	3.10

2. Stand by, Testing and Maintenance with other telephone companies (if not Concurring Carriers) or Other Labor

(a)	Basic time, regularly scheduled working hours, per Technician	-	17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day[1], per Technician	-	21.01
(c)	Premium time, outside of scheduled work day[1], per Technician	-	24.12

[1] A call out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.2 Charges for Additional Labor (Cont'd)

A. (Cont'd)

3. Other Labor (or Testing and Maintenance with other telephone companies, if they are not Concurring carriers)

(a)	Basic Time regularly scheduled working hours, Per technician	$44.12	$17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day, [1] Per technician	47.22	21.01
(c)	Premium Time, outside of scheduled work day,[1] Per Technician	50.33	24.12

22.5.3 Maintenance of Services

A. The maintenance of service charges are as follows:

1. The charges for maintenance of service are as follows:

(a)	Basic time, regularly scheduled working hours, per technician	44.12	17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day, per technician[1]	47.22	21.01
(c)	Premium time, outside of scheduled work day, per technician[1]	50.33	24.12

22.5.4 Restoration Priority

		Nonrecurring Charge
(a)	Restoration Priority, per Service arranged	$104.02

22.5.5 Presubscription

A. The nonrecurring charge for Presubscription is as follows:

1. Presubscription, per Telephone Exchange Service line or trunk

		Nonrecurring Charge
(a)	Each[2,3]	$5.00

[1] A call out of a Company employee at a time not consecutive with the employee's scheduled work period subject to a minimum charge of four hours.
[2] This charge is billed to the end user which is the subscriber to the telephone exchange service.
[3] This charge is billed when the pre-designated IC is an intrastate IC. If the IC is an interstate/intrastate carrier then this rate will apply in lieu of the same rate in the appropriate interstate tariff.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service

1. Switched Access

a. Additional Cooperative Acceptance Testing

(1) Testing Rates, per technician

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic Time (Regularly scheduled work hours.)	$43.75	$17.54
(b)	Overtime (Outside regularly scheduled work hours on a scheduled work day.)	47.02	20.81
(c)	Premium Time (Outside scheduled work day.)[1]	50.29	24.08

b. Automatic Scheduled Testing (AST)

(1) To first point of switching, per test ordered, per year

		Monthly Rate
(a)	1004 Hz Loss[2,3,4] per transmission path	$0.06
(b)	C Message Noise [4,5,6] per transmission path	0.06
(c)	Return Loss (Balance) [4,5,6] per transmission path	0.06
(d)	Gain Slope4 per transmission path	0.06
(e)	C Notched Noise, per transmission path	0.06

c. Cooperative Scheduled Testing (CST)

(1) To first point of switching, per test ordered, per year

(a)	1004 Hz Loss,[4,5,6] per transmission path	0.34
(b)	C Message Noise,[4,5,6] per transmission path	0.25
(c)	Return Loss (Balance), [4,5,6] per transmission path	0.55
(d)	Gain Slope, per transmission path	0.34
(e)	C Notched Noise, per transmission path	0.25

[1] A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.
[2] The IC may specify a more frequent schedule of tests, 60 days prior to the start of the IC prescribed schedule.
[3] These three test represent the minimum offering, i.e., an order for testing must at a minimum, consist of twelve 1004Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The additional test listed may be ordered by the IC at additional charges, 60 days prior to the start of the IC presubscribed schedule.
[4] Subject to a one year minimum contract period.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

1. Switched Access (Cont'd)

d. Manual Scheduled Testing (MST)

(1) To first point of switching, per test ordered, per year

	Monthly Rate
(a) 1004 Hz Loss,[1,2,3] per transmission path	0.90
(b) C Message Noise, [1,2,3] per transmission path	0.59
(c) Return Loss (Balance), [1,2,3] per transmission path	1.20
(d) Gain Slope, per transmission path	0.90
(e) C Notched Noise, per transmission path	0.59

e. Nonscheduled Testing (NST)

(1) Cooperative Testing:

	First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a) Basic, regularly scheduled work hours, per technician	$43.75	$17.54
(b) Overtime, outside regularly scheduled work hours on a scheduled work day, per technician	47.02	20.81
(c) Premium, outside scheduled work day, per technician[4]	50.29	24.08

(2) Manual Testing

(a) Basic, regularly scheduled work hours, per technician	43.93	17.72
(b) Overtime, outside regularly scheduled work hours on a scheduled work day, per technician	47.12	20.91
(c) Premium, outside scheduled work day, per technician[1]	50.31	24.10

[1] The IC may specify a more frequent schedule of tests, 60 days prior to the start of the IC prescribed schedule.
[2] These three test represent the minimum offering, i.e., an order for testing must at a minimum, consist of twelve 1004Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The additional test listed may be ordered by the IC at additional charges, 60 days prior to the start of the IC presubscribed schedule.
[3] Subject to a one year minimum contract period.
[4] A call-out of a Company employee at a time no consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

1. Switched Access (Cont'd)
   e. Nonscheduled Testing (NST) (Cont'd)
      (3) Automatic Testing, to first point of switching, per test performed:

		Rate
(a)	1004 Hz Loss	$12.44
(b)	C Message Noise	12.44
(c)	Return Loss (Balance)	12.44
(d)	Gain Slope	12.44
(e)	C Notched Noise	12.44

2. Special Access
   a. Additional Cooperative Acceptance Testing (ACAT)
      (1) Applies to the following tests:

VG1 through 3: Attenuation Distortion, C-Message Noise and Balance (Return Loss)

VG6 through 12: Attenuation Distortion, C-Message Noise, Balance (Return Loss), Impulse Noise, Phase Jitter, Intermodulation Distortion, Envelope Delay Distortion and Frequency Shift

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic time, regularly scheduled work hours, per technician	$44.12	$17.91
(b)	Overtime, outside or regularly scheduled work hours on a scheduled work day, per technician	47.22	21.01
(c)	Premium time, outside of scheduled work day, per technician1	50.33	24.12

   b. Nonscheduled Testing (NST)
      (1) Testing Rates, per technician

(a)	Basic time (Regularly scheduled work hours)	44.12	17.91
(b)	Overtime (Outside regularly scheduled work hours on a scheduled work day)	47.22	21.01
(c)	Premium time (Outside scheduled work day)[1]	50.33	24.12

[1] A call-out of a Company employee at a time no consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.7 Equal Access Subscription

A. The nonrecurring charges for a change in IntraLATA Subscription are as follows:

1. Subscription change when not performed simultaneously with interLATA PIC change to the same carrier, per line or trunk

		Nonrecurring Charge
(a)	billed to the end user or pay telephone location provider or its authorized agent	$5.00
(b)	billed to the end user or pay telephone location provider or its authorized agent	1.25

2. Subscription change when performed simultaneously with the interLATA PIC change to the same carrier, per line or trunk

(a)	billed to the end user or pay telephone location provider or its authorized agent	5.00
(b)	billed to the end user or pay telephone location provider or its authorized agent	0.62

B. The nonrecurring charge for an unauthorized change in IntraLATA Subscription is as follows:

1. Unauthorized Subscription Change

(a)	per business or residence line or trunk[1]	19.41
(b)	billed to the end user or pay telephone location provider or its authorized agent	0.62

[1] If an unauthorized change in IntraLATA and InterLATA Subscription occurs at the same time, on the same Business, Residence line or trunk, and the Subscribed IC is the same IC for IntraLATA and InterLATA Subscription, the IC will be assessed one unauthorized Subscription charge as provided in the National Exchange Carrier Association's Tariff FCC No. 5, Section 17.4.4. In addition, the IC will be assessed the applicable PIC change charge for returning the end user or location provider or its authorized agent to their preferred intraLATA subscribed IC as provided in 22.5.7.A. preceding. Additionally, the applicable PIC change charge, as provided in National Exchange Carrier Association's Tariff FCC No. 5, Section 17.4.4 will be assessed to the IC to return the end user or location provider or its authorized agent to their previous authorized carrier.

22. RATES AND CHARGES – SkyLine Telephone Membership Corporation

22.6 IntraLATA Toll Originating Responsibility Plan (ITORP)

A. Access compensation rates, IntraLATA toll DA and Billing and Collection rates are specified following. For other applicable access charges, refer to the intrastate switched access charges specified in the applicable Access Tariff on file for the terminating LEC.

1. IntraLATA Toll

		Rate
(a)	Directory Assistance, per call	$0.5000
(b)	Billing and Collection, per message	0.0666

B. Network Compensation Rates

(a)	Rates Per Minute of Use	0.001963

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.1 Carrier Common Line Access

A. The rate for Intrastate Carrier Common Line Access is:

1. Carrier Common Line Charge

a. Originating Access Minutes

(a) Per Minute $-

b. Terminating Access Minute

(a) Per Minute -

22.2 Ordering Options for Switched Access and Special Access Service

		Nonrecurring Charge
(1)	Service Date Change	
(a)	Service Date Change Charge, per Order	$26.21
(2)	Other Modification Change	
(a)	Per Order	26.21
(3)	Planned Facilities Order Modification Charge	
(a)	Per Order	26.21

22.3 Switched Access Service

22.3.1 Minimum Monthly Usage Charge (MMUC)

A. The Minimum Monthly Usage Charge (the minimum transport charge) varies by mileage band and capacity.

The MMUC is as follows:

	Mileage Bands	Minimum Transport Charge per BHMC[1]
(a)	0 to 1	$0.3300
(b)	Over 1 to 8	0.7575
(c)	Over 8 to 16	0.8775
(d)	Over 16 to 25	0.9450
(e)	Over 25 to 50	1.5225
(f)	Over 50 to 100	2.1225
(g)	Over 100	3.3975

[1] BHMC is the Access Connections busy hour minutes of capacity provided to the end office.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.2 Access Connections

A. Installation of New Service

1. Feature Group A

		Nonrecurring Charge
(a)	Per First Line	$640.00
(b)	Each Additional Line	135.00

2. Feature Groups B, C and D

(a)	Per First Trunk or Signaling Connection	915.00
(b)	Each Additional Trunk or Signaling Connection	272.00

3. Interface Groups

(a)	Group 1, Two-Wire path with Loop signaling	-
(b)	Group 2, Four-Wire path with Loop signaling	-
(c)	Group 6, DS1 level path with Bit Stream signaling	-
(d)	Group 7, DS1C level path with Bit Stream signaling	-
(e)	Group 8, DS2 level path with Bit Stream signaling	-
(f)	Group 9, DS3 level path with Bit Stream signaling	-
(g)	Group 10, DS4 level path with Bit Stream signaling	-

B. Interface Group Non-chargeable Optional Features

1. Supervisory Signaling

a. DX Supervisory Signaling arrangement
Per Transmission Path[1]

b. SF Supervisory Signaling arrangement
Per Transmission Path[2]

c. E&M Type I Supervisory Signaling arrangement
Per Transmission Path[1]

d. E&M Type II Supervisory Signaling arrangement
Per Transmission Path

[1] Available with Interface Groups 1 and 2.
[2] Available with Interface Groups 2 and 6 and 7

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.2 Access Connections (Cont'd)

B. Interface Group Non-chargeable Optional Features (Cont'd)

1. Supervisory Signaling (Cont'd)

e. E&M Type III Supervisory Signaling arrangement

Per Transmission Path[1]

f. Tandem Supervisory Signaling arrangement

Per Transmission Path[2]

2. IC Specified Entry Switch Receive Level

a. IC specification of the receive transmission level at the first point of switching within a range acceptable to the Company[3]

Per Transmission Path

C. Network Blocking Charge, applies to FGD only.

		Rate
(a)	Per call blocked	$0.0076

22.3.3 Local Transport

A. Call Miles

(1) Usage Rate per Access Minute

		Per Access Minute
(a)	0 to 1	N/A
(b)	Over 1 to 8	N/A
(c)	Over 8 to 16	N/A
(d)	Over 16 to 25	N/A
(e)	Over 25 to 50	N/A
(f)	Over 50 to 100	N/A
(g)	Over 100	N/A

[1] Available with Interface Group 2 for FGC and FGD.
[2] Available with Interface Group 2 for FGA.
[3] Available with Interface Groups 2 through 7 for FGA and FGB.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.3 Local Transport (Cont'd)

B. Options

1. Provision of other than Company Selected

   Traffic Routing (available with FGB, FGC and FGD)

   a. Direct Trunking in lieu of Tandem Trunking

      Per Transmission Path[1]

   b. Tandem Trunking in lieu of Direct Trunking

      Per Transmission Path4

2. IC Specification of Feature Group Directionality (Available with FGB, FGC, FGD and FGE)[2]

   a. One Way Operation in lieu of Two Way Operation4

   b. Two Way Operation in lieu of One Way Operation4

3. IC Specification of a Local Transport Termination (Available with FGB with Type B Transmission Performance)

   a. Four Wire Termination in lieu of Two Wire Termination4

22.3.4 End Office

A. Local Switching

1. Per Access Minute (Includes Line Termination and Intercept)

		Rate Per Access Minute
(a)	Per Originating Access Minute of use	N/A
(b)	Per Terminating Access Minute of use	N/A

2. Common Switching Nonchargeable Optional Features

   a. Call denial on line or hunt group, available with FGA

      Per Transmission Path or Transmission Path Group

   b. Service Code Denial on line or hunt group, available with FGA

      Per Transmission Path or Transmission Path Group

   c. Hunt Group Arrangement, available with FGA

      Per Transmission Path Group[3]

   d. Uniform Call Distribution Arrangement, available with FGA

      Per Transmission Path Group1

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[1] Rates and charges based on individual cases will apply.
[2] For FGC this option is available only in electronic end offices.
[3] Optional features on an end office and/or access tandem basis are available only on an entire transmission path group.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

A. Local Switching (Cont'd)

2. Common Switching Nonchargeable Optional Features (Cont'd)

e. Nonhunting Numbers for use with Hunt Group Arrangements or U.C.D.

Arrangement available with FGA
Per Transmission Path

f. Automatic Number Identification, available with FGB, FGC and FGD

Per Transmission Path Group1

g. Up to 7 Digit Outpulsing of Access Digits to IC, available with FGB

Per Transmission Path Group1

h. Dial Pulse Address Signaling, available with FGC

Per Transmission Path Group

i. Service Class Routing, available with FGC and FGD

Per End Office and/or Access Tandem

j. Alternate Traffic Routing, Multiple Customer Premises Alternate Routing available with FGB, FGC and FGD

Per End Office and/or Access Tandem
End Office Alternate Routing, when ordered in trunks, available with FGB and FGD,
Per End office and/or Access Tandem

k. Trunk Access Limitation Arrangement, available with FGC and FGD

Per End Office

l. Call Gapping Arrangement, available with FGD

Per End Office

m. Band Advance Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path Group[1]

n. End Office Customer Line Service Screening on Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path

o. Hunt Group Arrangement for Dedicated Access Lines Service, available with FGC and FGD

Per Transmission Path Group

[1] Optional features on an end office and/or access tandem basis are available only on an entire transmission path group.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

A. Local Switching (Cont'd)

2. Common Switching Nonchargeable Optional Features (Cont'd)

p. Uniform Call Distribution Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path Group

q. Nonhunting Number for use with Hunt Group Arrangement or U.C.D. Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path

3. Transport Termination Nonchargeable Options

a. Line Side Terminations for FGA

(1) Two Way Operation

-Dial Pulse with Loop Start
-Dial Pulse with Ground Start
-DTMF with Loop Start
-DTMF with Ground Start

(2) Terminating Operation

-Dial Pulse with Loop Start
-Dial Pulse with Ground Start
-DTMF with Loop Start
-DTMF with Ground Start

(3) Originating Operation

-Loop Start
-Ground Start

b. Standard Trunk for Originating, Terminating or Two Way operation, available with FGB, FGC and FGD

c. Rotary Dial Station Signaling Trunk, available with FGB

d. Operator Trunk, Non Coin available with FGC also available with FGC or FGD when used in conjunction with Operator Transfer Service

e. Operator Trunk, Full Feature Arrangement, available with FGD

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

B. Line Terminations

1. Common Line and Dedicated Access Line Service Terminations

		Rate
(a)	Per Originating Minute of use	N/A
(b)	Per Terminating Minute of use	

C. Intercept

1. Intercept Charge

(a)	Per 100 Access Minutes[1]	N/A

D. 800 Access Service

1. IC Identification Charge

(a)	Per 100 calls[2]	N/A

22.3.5 800 Access Ten Digit Screening Service

A. 800 Access Ten Digit Screening Service

1. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with 800 Number Delivery

		Rate
(a)	Per Query	$0.0079

2. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with 800 Number Delivery for 800 Numbers with Optional Complex Feature, i.e., Call Handling and Destination Features

(a)	Per Query	N/A

3. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with POTS Number Delivery

(a)	Per Query	N/A

4. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with POTS Number Delivery for 800 Numbers with Optional Complex Feature, i.e., Call Handling and Destination Features

(a)	Per Query	N/A

[1] Applies to all Access Minutes.
[2] The rate for the 800 Access Service (NXX Plan) is subject to change upon the approval of the 800 Access Service Data Base Plan.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.6 Service Rearrangements

			Rate
A.	Change of Service		
	1. Submitted on the Same ASR[1]		
	(a)	Per Request	$92.00
B.	Feature Group A		
	1. Line Side Service		
	(a)	Per transmission path[2]	10.00
C.	Feature Groups B, C and D		
	1. Trunk Side Service		
	(a)	Per transmission path2	5.00
D.	Common Block		
	1. Translations Related		
	(a)	Per End Office and Tandem Office Affected[2]	90.00
E.	500 Access Service		
	1. Change in dialing capability		
	(a)	Per NXX Per End Office and Tandem Office affected[2]	15.00

22.3.7 Transfer of Service

A.	Transfer of Service		
	1. Billing Account Number		
	(a)	Each	170.00
B.	Feature Group A		
	1. Line Side Service		
	(a)	Per Transmission Path[3]	7.00
C.	Feature Groups B, C and D		
	1. Trunk Side Service		
	(a)	Per Transmission Path3	8.00

[1] Services requested on multiple ASRs will be treated as one request when requirements, as specified in 6.1.7, are met.
[2] This charge is in addition to that set forth in 22.3.6.A.
[3] This charge is in addition to that set forth in 22.3.7.A.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.8 500 Access Service

A. 500 Access Service

1. 500 Customer Identification

		Rate
(a)	Per Call	$0.01

2. Service Activation Charge - Per Company End Office Switch or Access Tandem in which translations are required

		Nonrecurring Charge
(a)	First NXX Code Submitted on ASR	$40.00
(b)	Additional NXX Code submitted on ASR	20.00

22.3.9 Local Transport

A. Premium

1. Local Transport Termination

		Rate
(a)	Per Originating Access Minute of use	N/A
(b)	Per Terminating Access Minute of use	N/A

2. Local Transport Facility

(a)	Per Mile, Per Originating Access Minute of use	N/A
(b)	Per Mile, Per Terminating Access Minute of use	N/A

22.3.10 End Office

a. Local Switching 1

(1) Feature Groups A & B (except: (1) Feature Group B utilized for the provision of MTS/WATS service and (2) Feature Groups A and B when utilized for the provision of terminating inward WATS and WATS-type services at an access WATS Serving Office.

(a)	Per Originating Access Minute	0.0352
(b)	Per Terminating Access Minute	*NECA Tariff Concurrence*

b. Local Switching 2

(1) Feature Groups C & D (including: (1) Feature Group B when utilized for the provision of MTS/WATS service and (2) Feature Groups A and B when utilized for the provision of terminating inward WATS and WATS-type services at an equal access WATS Serving Office.Local Switching

(a)	Per Originating Access Minute	0.0352
(b)	Per Terminating Access Minute	*NECA Tariff Concurrence*

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

c. Directory Assistance Information Surcharge

(a)	Per 100 Originating Access Minutes	0.029
(b)	Per 100 Terminating Access Minute	*NECA Tariff Concurrence*

22.3.11 Tandem Transport

1. Tandem Switched Facility

		Rate
(a)	Per Originating Access Minute Per Mile	$0.000423
(b)	Per Terminating Access Minute Per Mile	*NECA Tariff Concurrence*

2. Tandem Switched Termination

(a)	Per Originating Access Minute Per Termination	0.0084
(b)	Per Terminating Access Minute Per Termination	*NECA Tariff Concurrence*
(c)		

3. Tandem Switching

(a)	Per Originating Access Minute Per Tandem	N/A
(b)	Per Originating Access Minute Per Tandem	N/A

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services

22.4.1 Access Connections

A. Two-Wire Access Connections

1. For use with NB1-5, VG1-12 and AP1-4

		Monthly Rate
(a)	Each Two Wire Access Connection	$1.40

B. Four-Wire Access Connections

1. For use with NB4-5, VG1-12 and DA1-4 with DU facility interface.

(a)	Each Four Wire Access Connection	2.80

C. Group Access Connections[1]

1. For use with WA1

(a)	Each group Access Connection	-

D. 20 kHz Access Connection[1]

1. For use with WA3

(a)	Each 20 kHz Access Connection	-

E. 13 kHz Access Connections[1]

1. For use with WA4

(a)	Each 13 kHz Access Connection	-

F. 19.2 kbps Access Connections[1]

1. For use with WD1

(a)	Each 19.2 kbps Access Connection	-

G. 50 kbps Access Connections[1]

1. For use with WD2

(a)	Each 50 kbps Access Connection	-

H. 230.4 kbps Access Connections[1]

1. For use with WD3

(a)	each 230.4 kbps Access Connection	-

I. 56 kbps Access Connections1

1. For use with WD4

(a)	Each 56 kbps Access Connection	-

[1] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.1 Access Connections (Cont'd)

J. DS1 - 1.544 Mbps Access Connections

	Monthly Rate
1. For use with HC1	
(a) Each DS1 Access Connection	$36.00

K. DS1C - 3.152 Mbps Access Connections[1]

1. For use with HC1C	
(a) Each DS1C Access Connection	-

L. DS2 - 6.312 Mbps Access Connections[1]

1. For use with HC2	
(a) Each DS2 Access Connection	-

M. DS3 - 44.736 Mbps Access Connections1

1. For use with HC3	
(a) Each DS3 Access Connection	-

N. DS4 - 276.176 Mbps Access Connections[1]

1. For use with HC4	
(a) Each DS4 Access Connection	-

22.4.2 Special Transport

A. Mileage measured between IC serving wire center to Hub, IC serving wire center to End User serving wire center or Hub to End User serving wire center.

1. For method of determining mileage, see 7.4.5 and 10.

a. Fixed and Mileage Charges applicable

(1) Two-wire metallic (for use with NB1-3)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$-	$6.40
(b)	Over 4 to 8 Miles, per mile	.80	6.40
(c)	Over8 to 16 Miles, per mile	.80	6.40
(d)	Over 16 to 25 Miles, per mile	.80	6.40
(e)	Over 25 to 50, per mile	.80	6.40
(f)	Over 50 to Miles, per mile	.80	6.40
(g)	Over 100 Miles, per mile	.80	6.40

[1] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. (Cont'd)

a. Fixed and Mileage Charges applicable

(2) 75 Baud (for use with NB4)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$-	$5.45
(b)	Over 4 to 8 Miles, per mile	2.50	4.05
(c)	Over 8 to 16 Miles, per mile	11.95	2.65
(d)	Over 16 to 25 Miles, per mile	21.40	2.00
(e)	Over 25 to 50 Miles, per mile	39.50	1.25
(f)	Over 50 to 100 Miles, per mile	40.20	1.25
(g)	Over 100 Miles, per mile	40.20	1.25

(3) 150 Baud (for use with NB5)

(a)	0 to 4 Miles, per mile		5.45
(b)	Over 4 to 8 Miles, per mile	2.50	4.05
(c)	Over 8 to 16 Miles, per mile	11.95	2.65
(d)	Over 16 to 25 Miles, per mile	21.40	2.00
(e)	Over 25 to 50 Miles, per mile	39.50	1.25
(f)	Over 50 to 100 Miles, per mile	40.20	1.25
(g)	Over 100 Miles, per mile	47.70	1.25

(4) Two-Wire/Four-Wire Voice (for use with VG1-12 and interLATA only Dedicated Access Line Service)

(a)	0 to 4 Miles, per mile		8.09
(b)	Over 4 to 8 Miles, per mile	8.26	6.00
(c)	Over 8 to 16 Miles, per mile	25.75	3.82
(d)	Over 16 to 25 Miles, per mile	61.44	1.63
(e)	Over 25 to 50 Miles, per mile	61.44	1.63
(f)	Over 50 to 100 Miles, per mile	79.33	1.27
(g)	Over 100 Miles, per mile	79.33	1.27

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. (Cont'd)

a. Fixed and Mileage Charges applicable

(5) 3.5 kHz Audio (for use with AP1)

(a)	0 to 4 Miles, per mile	-	6.45
(b)	Over 4 to 8 Miles, per mile	2.50	6.45
(c)	Over 8 to 16 Miles, per mile	2.50	6.45
(d)	Over 16 to 25 Miles, per mile	2.50	6.45
(e)	Over 25 to 50 Miles, per mile	2.50	6.45
(f)	Over 50 to 100 Miles, per mile	2.50	6.45
(g)	Over 100 Miles, per mile	2.50	6.45

(6) 5 kHz Audio (for use with AP2)

		Fixed Monthly Charge	**Monthly Charge Per Mile**
(a)	0 to 4 Miles, per mile	$-	$6.45
(b)	Over 4 to 8 Miles, per mile	7.50	6.45
(c)	Over 8 to 16 Miles, per mile	7.50	6.45
(d)	Over 16 to 25 Miles, per mile	7.50	6.45
(e)	Over 25 to 50 Miles, per mile	7.50	6.45
(f)	Over 50 to 100 Miles, per mile	7.50	6.45
(g)	Over 100 Miles, per mile	7.50	6.45

(7) 8 kHz Audio (for use with AP3)

(a)	0 to 4 Miles, per mile	-	6.45
(b)	Over 4 to 8 Miles, per mile	6.90	6.45
(c)	Over 8 to 16 Miles, per mile	6.90	6.45
(d)	Over 16 to 25 Miles, per mile	6.90	6.45
(e)	Over 25 to 50 Miles, per mile	6.90	6.45
(f)	Over 50 to 100 Miles, per mile	6.90	6.45
(g)	Over 100 Miles, per mile	6.90	6.45

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. (Cont'd)

a. Fixed and Mileage Charges applicable

(8) 15 khz Audio (for use with AP4)[1]

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	-	-
(b)	Over 4 to 8 Miles, per mile	-	-
(c)	Over 8 to 16 Miles, per mile	-	-
(d)	Over 16 to 25 Miles, per mile	-	-
(e)	Over 25 to 50 Miles, per mile	-	-
(f)	Over 50 to 100 Miles, per mile	-	-
(g)	Over 100 Miles, per mile	-	-

(9) Group (for use with WA1 and WA1T),[2]

(10) 20 kHz (for use with WA3)1

(11) 13 kHz (for use with WA4)1

(12) 19.2 kbps (for use with WD1)1

(13) 50.0 kbps (for use with WD2)1

(14) 230.4 kbps (for use with WD3)1

(15) 56.0 kbps (for use with WD4)1

(16) Digital Data 1 (for use with DA1)

(a)	0 to 4 Miles, per mile	$143.70	$-
(b)	Over 4 to 8 Miles, per mile	184.00	2.30
(c)	Over 8 to 16 Miles, per mile	184.00	2.30
(d)	Over 16 to 25 Miles, per mile	184.00	2.30
(e)	Over 25 to 50 Miles, per mile	184.00	2.30
(f)	Over 50 to 100 Miles, per mile	184.00	2.30
(g)	Over 100 Miles, per mile	184.00	2.30

[1] Rates and Charges based on individual cases will apply.
[2] For WA1T, two are required

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

2. Digital Data 2 (for use with DA2)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	151.05	-
(b)	Over 4 to 8 Miles, per mile	193.30	2.80
(c)	Over 8 to 16 Miles, per mile	193.30	2.80
(d)	Over 16 to 25 Miles, per mile	193.30	2.80
(e)	Over 25 to 50 Miles, per mile	193.30	2.80
(f)	Over 50 to 100 Miles, per mile	193.30	2.80
(g)	Over 100 Miles, per mile	193.30	2.80

3. Digital Data 3 (for use with DA3)

(a)	0 to 4 Miles, per mile	182.80	-
(b)	Over 4 to 8 Miles, per mile	212.15	3.10
(c)	Over 8 to 16 Miles, per mile	212.15	3.10
(d)	Over 16 to 25 Miles, per mile	212.15	3.10
(e)	Over 25 to 50 Miles, per mile	212.15	3.10
(f)	Over 50 to 100 Miles, per mile	212.15	3.10
(g)	Over 100 Miles, per mile	212.15	3.10

4. Digital Data 4 (for use with DA4)

(a)	0 to 4 Miles, per mile	$384.80	$-
(b)	Over 4 to 8 Miles, per mile	360.05	8.00
(c)	Over 8 to 16 Miles, per mile	360.05	8.00
(d)	Over 16 to 25 Miles, per mile	360.05	8.00
(e)	Over 25 to 50 Miles, per mile	360.05	8.00
(f)	Over 50 to 100 Miles, per mile	360.05	8.00
(g)	Over 100 Miles, per mile	360.05	8.00

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

5. DS1 - 1.544 Mbps (for use with HC1[1] and interLATA only Dedicated Access Line Service)

(a)	0 to 4 Miles, per mile	26.85	30.00
(b)	Over 4 to 8 Miles, per mile	26.85	30.00
(c)	Over 8 to 16 Miles, per mile	26.85	30.00
(d)	Over 16 to 25 Miles, per mile	26.85	30.00
(e)	Over 25 to 50 Miles, per mile	26.85	30.00
(f)	Over 50 to 100 Miles, per mile	26.85	30.00
(g)	Over 100 Miles, per mile	26.85	30.00

6. DS1C - 3.152 Mbps (for use with HC1C[1])

   Rates and charges based on individual cases will apply.

7. DS2 - 6.312 Mbps (for use with HC2[1])

   Rates and charges based on individual cases will apply.

8. DS3 - 44.736 Mbps (for use with HC3[1])

   Rates and charges based on individual cases will apply.

9. DS4 - 274.176 Mbps (for use with HC4[1])

   Rates and charges based on individual cases will apply.

[1] Additional applications are obtainable through the use of suitable multiplexing at the Hub.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions

A. Facility Interface Combinations

1. Narrowband Services

Facility Interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(a)	DC/DC (NB1, 2 and 3)	$-	$123.00	$46.00
(b)	TT/TT (NB4)	3.85	268.50	169.50
(c)	DB 10/TT (NB4)	3.85	268.50	169.50
(d)	DB 10/IA (NB5)	6.00	268.50	169.50
(e)	AH/DC[1] (NB2)	-	123.00	46.00
(f)	AH/TT1 (NB4)	3.85	268.50	169.50
(g)	AH/IA1 (NB5)	6.00	268.50	169.50
(h)	DS/DC[2] (NB2)	-	123.00	46.00
(i)	DS/TT2 (NB4)	3.85	268.50	169.50
(j)	DS/IA2 (NB5)	6.00	268.50	169.50

2. Voice Grade Services

Facility interfaces are specified in the order of IC/End User

(a)	AB/AC (VG2)	.65	147.00	44.00
(b)	AB/SF (VG2)	-	141.50	38.50
(c)	AH/AC (VG2)[3,4]	.65	147.00	44.00
(d)	AH/DA (VG5, 6, 10 & 12)4	-	141.50	38.50
(e)	AH/DE (VG5) 4	-	141.50	38.50
(f)	AH/DX (VG9) 4	-	141.50	38.50
(g)	AH/DY (VG3, 7, & 8) 4	-	141.50	38.50
(h)	AH/EA (VG3, 7, 8, & 9) 4	2.75	160.50	57.50

[1] Requires intermediate DS1 to Voice multiplexor.
[2] Requires intermediate multiplexing.
[3] Requires intermediate DS1 to Voice multiplexor.
[4] Requires intermediate Group to Voice multiplexor.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(i)	AH/EB (VG3, 7, 8, & 9) 4	$2.75	$160.50	$57.50
(j)	AH/GO (VG1) 4	-	141.50	38.50
(k)	AH/GS (VG1, 3, & 7) 4	-	141.50	38.50
(l)	AH/LA (VG2 & 7) 4	2.60	156.50	53.50
(m)	AH/LB (VG2 & 7) 4	1.75	151.00	48.00
(n)	AH/LC (VG2 & 7) 4	.20	143.00	40.00
(o)	AH/LO (VG1, 2 & 7) 4	-	141.50	38.50
(p)	AH/LR (VG2) 4	3.70	156.50	53.50
(q)	AH/LS (VG1, 2, 5, 6, 7, 9, 10, & 12) 4		141.50	38.50
(r)	AH/NO (VG1, 2, 5, 6, 7, & 9) 4	-	141.50	38.50
(s)	AH/RV (VG3, & 7) 4	-	141.50	38.50
(t)	AH/SF (VG2, 3, 7, 8 & 9)	-	141.50	38.50
(u)	AH/TF (VG11) 4	-	141.50	38.50
(v)	DA/DA (VG10)	-	141.50	38.50
(w)	DB/DA (VG6, 10 & 12)	-	141.50	38.50
(x)	DB/NO (VG6)	-	141.50	38.50
(y)	DD/DE (VG5)	-	141.50	38.50
(z)	DS/AC (VG2)1	.65	147.00	44.00

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(aa)	DS/DA (VG5, 6, 10 & 12) 1	$141.50	$38.50	$-
(bb)	DS/DE (VG5) 1	-	141.50	38.50
(cc)	DS/DX (VG9) 1	-	141.50	38.50
(dd)	DS/DY (VG3, 7, & 8) 1	-	141.50	38.50
(ee)	DS/EA (VG3, 7, 8, & 9) 1	2.75	160.50	57.50
(ff)	DS/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(gg)	DS/GO (VG1)[1]	-	141.50	38.50
(hh)	DS/GS (VG1, 3, & 7)1	-	141.50	38.50
(ii)	DS/LA (VG2 & 7)1	2.60	156.50	53.50
(jj)	DS/LB (VG2 & 7)1	1.75	151.00	48.00
(kk)	DS/LC (VG2 & 7)1	.20	143.00	40.00
(ll)	DS/LO (VG1, 2, & 7)1	-	141.50	38.50
(mm)	DS/LR (VG2)1	3.70	156.50	53.50
(nn)	DS/LS (VG2, 2, 3, 7, & 8)1	-	141.50	38.50
(oo)	DS/NO (VG1, 2, 5, 6, 7, & 9)1	-	141.50	38.50
(pp)	DS/RV (VG3 & 7)1	-	141.50	38.50

[1] Requires intermediate DS1 to Voice multiplexor.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(qq)	DS/SF (VG2, 3, 7, 8 & 9)1	$-	$141.50	$38.50
(rr)	DS/TF (VG11)1	-	141.50	-
(ss)	DX/DX (VG9)	-	-	38.50
(tt)	DX/DY (VG3, 7, & 8)	-	141.50	38.50
(uu)	DX/EA (VG3, 7, 8, & 9)	$2.75	$160.50	$57.50
(vv)	DX/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(ww)	DX/LA (VG2 & 7)	2.60	156.50	53.50
(xx)	DX/LB (VG2 & 7)	1.75	151.00	48.00
(yy)	DX/LC (VG2 & 7)	.20	143.00	40.00
(zz)	DX/LO (VG2 & 7)	-	141.50	38.50
(aaa)	DX/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(bbb)	DX/RV (VG3 & 7)	-	141.50	38.50
(ccc)	DX/SF (VG2, 3, 7, 8, & 9)	-	141.50	38.50
(ddd)	EA/AC (VG2)	65	147.00	44.00
(eee)	EA/DX (VG9)	-	141.50	38.50
(fff)	EA/DY (VG3, 7, & 8)	-	141.50	38.50
(ggg)	EA/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(hhh)	EA/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(iii)	EA/LA (VG2 & 7)	$2.60	$156.50	$53.50
(jjj)	EA/LB (VG2 & 7)	1.75	151.00	48.00
(kkk)	EA/LC (VG2 & 7)	.20	143.00	40.00
(lll)	EA/LO (VG2 &7)	-	141.50	38.50
(mmm)	EA/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(nnn)	EA/RV (VG3 & 7)	-	141.50	38.50
(ooo)	EA/SF (VG2, 3, 7, 8 & 9)	-	141.50	38.50
(ppp)	EB/AC (VG2)	.65	147.00	44.00
(qqq)	EB/DX (VG9)	-	141.50	38.50
(rrr)	EB/DY (VG3, 7, & 8)	-	141.50	38.50
(sss)	EB/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(ttt)	EB/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(uuu)	EB/LA (VG2 & 7)	2.60	156.50	53.50
(vvv)	EB/LB (VG2 & 7)	1.75	151.00	48.00
(www)	EB/LC (VG2 & 7)	.20	143.00	40.00
(xxx)	EB/LO (VG2 & 7)	-	141.50	38.50
(yyy)	EB/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(zzz)	EB/RV (VG3 & 7)	-	141.50	38.50

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(aaaa)	EB/SF (VG2, 3, 7, 8, & 9)	$-	$141.50	$38.50
(bbbb)	EC/DY (VG3, 7, & 8)	-	141.50	38.50
(cccc)	EC/EA (VG3, 7, & 8)	2.75	160.50	57.50
(dddd)	EC/EB (VG3, 7, & 8)	2.75	160.50	57.50
(eeee)	EC/SF (VG3, 7 & 8)	-	141.50	38.50
(ffff)	EX/GS (VG3 & 7)	-	141.50	38.50
(gggg)	EX/LA (VG2 & 7)	2.60	156.50	53.50
(hhhh)	EX/LB (VG2 & 7)	1.75	151.00	48.00
(iiii)	EX/LC (VG2 & 7)	-	143.00	40.00
(jjjj)	EX/LO (VG1, 2, & 7)	-	141.50	38.50
(kkkk)	EX/LR (VG2)	3.70	156.50	53.50
(llll)	EX/LS (VG1, 2, 3, & 7)	-	141.50	38.50
(mmmm)	EX/SF (VG1, 3, & 7)		141.50	38.50
(nnnn)	GO/GS (VG1, 3, & 7)	-	141.50	38.50
(oooo)	GO/SF (VG3 & 7)	-	141.50	38.50

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(pppp)	GS/GO (VG1)	$-	$141.50	$38.50
(qqqq)	LO/LS (VG1, 2, 3, 7, & 8)	-	141.50	38.50
(rrrr)	LO/SF (VG2, 3, & 7)	-	141.50	38.50
(ssss)	LR/LR (VG2)	3.70	156.50	53.50
(tttt)	LR/SF (VG2)	-	141.50	
(uuuu)	LS/LA (VG2 & 7)	2.60	156.50	53.50
(vvvv)	LS/LB (VG2 & 7)	1.75	151.00	48.00
(wwww)	LS/LC (VG2 & 7)	.20	143.00	40.00
(xxxx)	LS/LO (VG1, 2, & 7)	-	141.50	38.50
(yyyy)	LS/SF (VG2)	-	141.50	38.50
(zzzz)	NO/DA (VG6, 10, & 12)	-	141.50	38.50
(aaaaa)	NO/NO (VG1, 2, 5, 6, 7, & 9)	-	141.50	38.50
(bbbbb)	RV/RV (VG3 & 7)	-	141.50	38.50
(ccccc)	RV/SF (VG3 & 7)	-	141.50	38.50
(ddddd)	SF/AC (VG2)	.65	147.00	44.00
(eeeee)	SF/DX (VG9)	-	141.50	38.50
(fffff)	SF/DY (VG3, 7, & 8)	-	141.50	38.50

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(ggggg)	SF/EA (VG3, 7, 8, & 9)	$2.75	$160.50	$57.50
(hhhhh)	SF/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(iiiii)	SF/GS (VG1, 3, & 7)	-	141.50	38.50
(jjjjj)	SF/LA (VG2, & 7)	2.60	156.50	53.50
(kkkkk)	SF/LB (VG2 & 7)	1.75	151.00	48.00
(llll)	SF/LC (VG2 & 7)	.20	143.00	40.00
(mmmmm)	SF/LO (VG1 & 2)		141.50	38.50
(nnnnn)	SF/LR (VG2)	3.70	156.50	53.50
(ooooo)	SF/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(ppppp)	SF/RV (VG3 & 7)	-	141.50	38.50
(qqqqq)	SF/SF (VG2, 3, 7, 8, & 9)	-	141.50	38.50
(rrrrr)	TF/TF (VG11)	-	141.50	38.50

3. Wideband Analog Services[1]

(a)	Facility Interfaces are specified in the order of IC/End User			
(b)	AH D/AH B (WA1)	-	-	-
(c)	AH C/AH B (WA1)	-	-	-
(d)	AH B/AH B (WA1)	-	-	-
(e)	AH C/AH C (WA2)	-	-	-
(f)	AH D/AH C (WA2)	-	-	-
(g)	AH D/AH D (WA2A)	-	-	-
(h)	WD 1/WA 1 (WA3)	-	-	-
(i)	WD 2/WA 1 (WA3)	-	-	-
(j)	WD 3/WA 2 (WA4)	-	-	-

[1] Wideband Analog Services will be rated and provided on an individual case basis.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

4. Wideband Digital Services[1]

Facility Interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(a)	WB 19S/WC 19 (WD1)	$ -	$ -	$ -
(b)	WB 18S/WC 18 (WD1)	-	-	-
(c)	WB 19A/WC 19 (WD1)	-	-	-
(d)	WB 50S/WC 50 (WD2)	-	-	-
(e)	WB 40S/WC 40 (WD2)	-	-	-
(f)	WB 50A/WC 50 (WD2)	-	-	-
(g)	WB 23S/WC 23S (WD3)	-	-	-
(h)	WB 23A/WC 23 (WD3)	-	-	-
(i)	WB 64/DU 56 (WD4)	-	-	-
(j)	DO/DU 56 (WD4)	-	-	-

5. Digital Data Access Services

Facility Interfaces are specified in the order of IC/End User

(a)	DU 24/DU 24 (DA1)	-	180.00	61.00
(b)	DS/DU 24[2] (DA1)	-	180.00	61.00
(c)	DU 48/DU 48 (DA2)	-	180.00	58.00
(d)	DS/DU 48[1] (DA2)	-	180.00	58.00
(e)	DU 96/DU 96 (DA3)	-	195.00	76.00
(f)	DS/DU96[1] (DA3)	-	195.00	76.00
(g)	DU 56/DU 56 (DA4)	-	210.00	90.00
(h)	DS/DU 56[3] (DA4)	-	$210.00	$90.00

[1] Wideband Digital Services will be rated and provided on an individual case basis.
[2] Digital Data Carrier Multiplexing Equipment is required.
[3] Digital Data Carrier Multiplexing Equipment is required.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

6. High Capacity Services

Facility Interfaces are specified in the order IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(a)	DS 15/DU (HC1)	$24.10	$287.93	$162.00
(b)	DS 31/DS 31 (HC1C)[1]	-	-	-
(c)	DS 31/DS 15 (HC1C)[2]	-	-	-
(d)	DS 63/DS 63 (HC2)[2,2]	-	-	-
(e)	DS 63/DS 15 (HC2)	-	-	-
(f)	DS 44/DS 44 (HC3)2,3	-	-	-
(g)	DS 44/DS 15 (HC3)2	-	-	-
(h)	DS 27/DS 27 (HC4)2,3	-	-	-
(i)	DS 27/DS 15 (HC4)2	-	-	-

B. Voice Grade Performance

1. Performance, Per two-point service or each section (i.e., midlink or end link) of a multipoint service.

			Nonrecurring Charge (To Install Service)	
		Monthly Rate	First Service	Each Additional Identical Service
(a)	VG1	$7.35	$53.00	$53.00
(b)	VG2	19.30	68.00	68.00
(c)	VG3	-	-	-
(d)	VG5	12.85	56.00	56.00
(e)	VG6	27.70	105.00	105.00
(f)	VG7	19.30	68.00	68.00
(g)	VG8	19.30	68.00	68.00
(h)	VG9	19.50	105.00	105.00

[1] Rates and Charges based on individual case will apply.
[2] Available only from an IC terminal location to another IC terminal location or to a Hub.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

B. Voice Grade Performance (Cont'd)

1. (Cont'd)

(i)	VG10	20.45	105.00	105.00
(j)	VG11	7.35	53.00	53.00
(k)	VG12	7.35	53.00	53.00

C. Hub Functions

1. Multiplexing

a. DS4 to DS1 arrangement

(1) An arrangement that provides a 274.176 Mbps capacity to multiplex, on a digital time division basis, 168 DS1 channels. (available with HC4)

		Monthly Rate	Nonrecurring Charge
(a)	Per arrangement	$2,815.56	$1,465.73

b. DS3 to DS1 arrangement

(1) An arrangement that provides a 44.736 Mbps capacity to multiplex, on a digital time division basis, 28 DS1 channels. (available with HC3)

(a)	Per arrangement	299.92	370.68

c. DS2 to DS1 arrangement

(1) An arrangement that provides a 6.312 Mbps capacity to multiplex, on a digital time division basis, four DS1 channels. (available with HC2)

(a)	Per arrangement	99.92	182.96

d. DS1C to DS1 arrangement

(1) An arrangement that provides a 3.152 Mbps capacity to multiplex, on a digital time division basis, two DS1 channels. (available with HC1C)

(a)	Per arrangement	20.69	167.32

e. Group to DS1 arrangement[1]

(1) An arrangement that provides two group capacities (i.e., WA1T) to multiplex to a DS1 level. (Available with WA1T)

(a)	Per arrangement	-	-

[1] Rates and charges based on individual case will apply.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

1. Multiplexing (Cont'd)

f. DS1 to Voice arrangement

(1) An arrangement that provides a 1.544 Mbps capacity to multiplex, on a digital time division basis, 24 Voice or Digital Data[1] grade channels. (Available with HC1)

	Monthly Rate	Nonrecurring Charge
(a) Per arrangement	103.24	151.68

g. Group to Voice arrangement

(1) An arrangement that provides a Group capacity to multiplex, on a frequency division basis, 12 Voice grade channels. (Available with WA1)

(a) Per arrangement[1]	$-	$-

h. Digital Data Multiplexing (Required with Digital Data Access service with DS facility interface at IC terminal location).

(1) Carrier Multiplexing Unit

- an arrangement that provides a 1.544 Mbps capacity to multiplex on a digital time division basis, 23 64 kbps channels.

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a) Per Unit	$150.95	$140.47	$-
(2) Carrier Multiplexing Plug-Ins			
(a) Per 64 kbps channel equipped[2]	1.56	53.09	135.20

[1] Digital Data channels are only available from the serving wire center serving the Company designator digital Hub. Digital Data or DS1 is used only as a component of DA1-4.
[2] Required with DS1 to Digital Data channels hub multiplexing capability (MQ1)

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

1. Multiplexing (Cont'd)

h. (Cont'd)

(3) Carrier Sub-Multiplexing Unit: an arrangement that provides a 64 kbps capacity to multiplex on a digital time division basis, subspeed Digital Data Access Services.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Twenty 2.4 kbps services	146.39	88.66	167.03
(b)	Ten 4.8 kbps services	75.45	70.88	151.12
(c)	Five 9.6 kbps services	52.45	70.88	151.12

2. Bridging

a. Narrowband Bridges

(1) Two-Wire Bridging (available with NB1-3)

		Monthly Rate	Nonrecurring Charge
(a)	Per Port	$-	$-

(2) Telegraph Bridging (available with NB4 and NB5)

(a)	Two Wire, per Port	-	-
(b)	Four Wire, per Port	-	-

b. Voice Grade Bridges

(1) Voice Bridging (available with VG2 & 12)

(a)	Two Wire, per Port	30.80	102.00
(b)	Four Wire, per Port	30.80	102.00

(2) Data Bridging (available with VG5, 6, & 10)

(a)	Two Wire, per Port	$9.10	$58.00
(b)	Four Wire, per Port	9.10	58.00

(3) Telephoto Bridging (available with VG11)

(a)	Two Wire, per Port	30.80	102.00
(b)	Four Wire, per Port	30.80	102.00

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

2. Bridging (Cont'd)

b. Voice Grade Bridges (Cont'd)

(4) Telemetry and Alarm Bridging (Available with VG5)

Split Band, Active Briding

		Monthly Rate	Nonrecurring Charge
(a)	Channel Connections, per channel connected, Remote station channel connection, each Passive Bridging	2.60	17.00
(b)	Channel Connections, per channel connected[1] Summation, Active Bridging	2.60	17.00
(c)	Channel Connections, per channel connected[1]	$2.60	$17.00

c. Digital Data Access Bridges (available with DA1-4)

(1) Central Office Bridge

(a)	Per Port	7.72	10.45

3. Digital Data Secondary Channel Capability

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Per Digital Data Access Connection and Special Access Line, each	$15.00	$-	$485.00

[1] Rates and charges based on individual case will apply.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions-Voice Grade Services

1. Conditioning

Conditioning provides more specific transmission characteristics for data or telephoto services. There are two types of data conditioning, C-Type and DA-Type. C-Type conditioning controls attenuation distortion and envelope delay distortion; DA-Type conditioning controls the signal to C-notched noise ratio and intermodulation distortion. Telephoto conditioning controls attenuation distortion and envelope delay distortion.

Conditioning is charged for on a per two-point service or each section (i.e., midlink or end link) of a multi-point basis. The parameters listed for each type of conditioning apply from point of interface to network interface. For two-point services the parameters apply to each service. For multipoint services, the parameters apply to any path between any two service terminal points. C-Type and DA-Type conditioning are available only for data services. C-Type and DA-Type conditioning may be combined on the same service.

Telephoto conditioning is available only for VG11 services.

a. C-Type Conditioning

(1) For the additional control of attenuation distortion and envelope delay distortion on data services.

(2) Attenuation Distortion (Frequency Response) Relative to 1004 Hz

Frequency Range (Hz)	Variation (dB)
400-2800	1.0 to 2.0
300-3000	1.0 to 3.0
300-3200	2.0 to 6.0

(3) Envelope Delay Distortion

Frequency Range (Hz)	Variation (micro seconds)
1000-2600	100
600-2600	300
500-2800	600

(4) C-Type Conditioning is available in VG6, 7 & 10.

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a) C Type Conditioning, Per Two point Service or each section (i.e., midlink or end link) of a multipoint service.	$1.80	$9.00	$213.00

b. DA-Type Conditioning

(1) For the control of signal to C-notched noise ratio and intermodulation distortion on data services. DA-Type conditioning is available for two-point services or three point multipoint services.

(2) The signal to C-notched noise ratio and intermodulation distortion parameters for DA-Type conditioning are:

Signal to C-Notched Noise Ratio 32 dB

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions Voice Grade Services (Cont'd)

1. Conditioning (Cont'd)

b. DA Type Conditioning (Cont'd)

(3) Intermodulation distortion:

Signal to second order modulation products (R2) is equal to or greater than 38 dB. Signal to third order modulation products (R3) is equal to or greater than 42 dB.

(4) When a service equipped with DA-Type conditioning is used for voice communications, the quality of the voice transmission may not be satisfactory.

(5) DA-Type Conditioning is available with VG6, 7 and 10.

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a) DA Type Conditioning, Per Two Point Service or each section (i.e., mid link or end link) of a multipoint service.	$15.00	$372.00	$576.00

c. Telephoto Conditioning

(1) For the control of attenuation distortion and envelope delay distortion on telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Conditioning are:

Attenuation Distortion
(1004 Hz Reference)

Frequency Range (Hz)	Variation (db)
500 3000	0.5 to +1.5
300 3200	1.0 to +2.5

Envelope Delay Distortion

Frequency Range (Hz)	Variation (mcs)
1000 2600	110
800 2800	180

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions Voice Grade Services (Cont'd)

c. Telephoto Conditioning (Con'd)

(2) Telephoto Conditioning is available with VG11 only.

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a) Telephoto Conditioning, Per Two Point Service or each section (i.e., midlink or end link) of a multipoint service	-	-	-

2. Improved return loss for effective two-wire transmission at the end user's premises

a. Available with VG2, 3 and 7

(1) This option is applicable to all interfaces except E&M, SF & DX when the impedance code 2 is specified. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available.

(a) Improved Return Loss, Per end user premises, per service which this option is available.	$1.95	$13.59	$39.80

3. Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available.

(a) Improved Return Loss, Per IC terminal location, per service	$1.95	$24.68	$50.89

4. IC specified end user premises receive level within a range acceptable to the Company on effective four-wire transmission. (Available with VG2, 3, 7, 8 & 9)

(a) Specified receive level, per end user premises, per service	-	9.63	35.84

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

E. Optional Features and Functions - Dedicated Access Line Service

1. Two-Wire Improved Voice Transmission Parameters:

(the guaranteed levels are set forth in 7.2.1.F.4.b. preceding)

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a) Per service	$6.43	$11.04	$460.89

2. Four-Wire Improved Voice Transmission Parameters:

(the guaranteed levels are set forth in 7.2.1.F.4.c. preceding)

(a) Per service	6.43	11.04	460.89

F. Optional Features and Functions - Digital Data Access Services

1. Loop Transfer Arrangement

a. An arrangement that affords the end user an additional measure of protection to its access channel(s) on a 1 x N basis. This arrangement is only available from a Company designated digital hub. A key activated control service is required to operate the transfer arrangement. This control service must be separately ordered.

(1) Available with DA1, 2, 3 and 4.

(a) Transfer Arrangement, each	16.92	87.96	186.33

G. Optional Features and Functions - High Capacity Services

1. Automatic Protection Switching

a. Switching equipment placed at both ends of a duplicate standby service to automatically switch the standby service to the active state in the event of service failure. Duplicate 1.544 Mbps Service must also be ordered.

(1) Available with HC1.

(a) Per Arrangement	281.15	68.27	159.66

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines

A. Two-Wire[1]

1. For use with NB1-5, VG1-12 and AP1-4

		Monthly Rate
(a)	Two Wire Special Access Line, each	$13.05

2. For use with Dedicated Access Line Service

		Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a)	Two wire Special Access Line, each	$34.00	$141.00	$64.00

B. Four-Wire1

1. For use with NB4-5, VG1-12 and DA1-4

		Monthly Rate
(a)	Four Wire Special Access Line, each	$26.10

2. For use with Dedicated Access Line Service

		Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a)	Four wire Special Access Line, each	$45.00	$157.00	$80.00

C. Group[1,2]

1. For use with WA1

		Monthly Rate
(a)	Group Special Access Line, each	$-

D. 20 kHz[3,4]

1. For use with WA3

(a)	20 kHz Special Access Line, each	-

[1] See 7.4.2 preceding for application of Special Access Service Surcharge.
[2] Rates and Charges based on individual cases will apply.
[3] See 7.4.2 preceding for application of Special Access Service Surcharge.
[4] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines (Cont'd)

E. 13 kHz[3,4]

1. For use with WA4

	Monthly Rate
(a) 13 kHz Special Access Line, each	-

F. 19.2 kbps[3,4]

1. For use with WD1

(a) 19.2 kbps Special Access Line, each	-

G. 50 kbps[3,4]

1. For use with WD2

(a) 50 kbps Special Access Line, each	-

H. 230.4 kbps[3,4]

1. For use with WD3

(a) 230.4 kbps Special Access Line, each	-

I. 56 kbps[3,4]

1. For use with WD4

(a) 56 kbps Special Access Line, each	-

J. DS1 - 1.544 Mbps[3]

1. For use with HC1

(a) DS1 1.544 Mbps Special Access Line, each	110.83

K. DS1C - 3.152 Mbps[3,4]

1. For use with HC1C

(a) DS1C 3.152 Mbps Special Access Line, each	-

L. DS2 - 6.312 Mbps[3,4]

1. For use with HC2

(a) DS2 6.312 Special Access Connection, each	-

M. DS3 - 44.736 Mbps[3,4]

1. For use with HC3

(a) DS3 44.736 Mbps Special Access Line, each	-

N. DS4 - 274.176 Mbps[3,4]

1. For use with HC4

(a) DS4 274.176 Mbps Special Access Line, each	-

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines (Cont'd)

O. Optional Feature

1. Hybrid

Provides conversion from four-wire SAL to two-wire termination at end user premises. Required to meet effective four-wire performance with a two-wire end user premises facility interface.

		Monthly Rate	Nonrecurring Charge
(a)	Hybrid, each	$-	$-

P. Special Access Service Surcharge[1]

1. Per voice equivalent channel (non DAL), billed to the IC

		Monthly Rate
(a)	each	$25.00

2. Per DAL, billed to the IC

(a)	each	-

22.4.5 Voice Grade Service

A. Channel Termination

1. Per Point of Termination

		Monthly Rate	Nonrecurring Charge
(a)	Two Wire	$33.12	$223.24
(b)	Four Wire	46.81	223.24

B. Channel Mileage

1. Mileage Facility

(a)	Per Mile	2.41	-

2. Mileage Terminal

(a)	Per Terminal	14.09	-

[1] See 7.4.2 preceding for application of Special Access Service Surcharge.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

C. Optional Features and Functions

1. Bridging

a. Two-Wire/Four-Wire

(1) Per Port

	Monthly Rate	Nonrecurring Charge
(a) Two Wire	$4.33	$-
(b) Four Wire	4.33	-

b. Data Bridging, Two-Wire/Four-Wire

(1) Per Port

(a) Two Wire	4.33	-
(b) Four Wire	4.33	-

c. Telephoto Bridging, Two-Wire/Four-Wire

(1) Per Port

(a) Two Wire	4.33	-
(b) Four Wire	4.33	-

d. Addressable Arrangement

(1) Per channel connected

(a) Two Wire	25.80	-
(b) Four Wire	131.35	-

e. Telemetry/Alarm Bridging Service (TABS) Bridging

(1) Per channel connected

(a) Split Band	9.12	-
(b) Summation	1.55	-
(c) Passive	0.23	-

2. Conditioning, Per Terminal

(a) C Type	6.45	
(b) Sealing Current	-	-

3. Improved Return Loss

(1) Per Terminal

(a) Two Wire	1.91	-
(b) Four Wire	1.91	-

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

C. Optional Features and Functions (Cont'd)

4. Customer Specified Receive Level, Per Terminal

	Monthly Rate	Nonrecurring Charge
(a) Two Wire	$-	$-
5. Multiplexing, Voice to Telegraph		
(a) Per Arrangement	245.68	-
6. Data Capability		
(a) Per Terminal	1.44	247.03
7. Telephoto Conditioning		
(a) Per Terminal	3.19	247.03
8. Signaling Capability		
(a) Per Terminal	14.89	-
9. Selective Signaling Arrangement		
(a) Per Arrangement	15.92	-
10. Transfer Arrangement		
(a) Key Activated or Dial up, Per Four Port Arrangement	3.41	-

D. Public Packet Switching Network (PPSN)

1. Interface Arrangement

(a) Per Arrangement[1]

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4.6 Digital Data Access Service

A. Channel Terminal

1. Per Terminal

		Monthly Rate	Nonrecurring Charge
(a)	2.4 Kbps	$105.97	$311.64
(b)	4.8 Kbps	105.97	311.64
(c)	9.6 Kbps	105.97	311.64
(d)	56.0 Kbps	105.97	311.64

B. Channel Mileage

1. Facility, Per Mile

(a)	2.4 Kbps	2.41	-
(b)	4.8 Kbps	2.41	-
(c)	.6 Kbps	2.41	-
(d)	56.0 Kbps	2.41	-

2. Terminal, Each

(a)	2.4 Kbps	14.09	-
(b)	4.8 Kbps	14.09	-
(c)	9.6 Kbps	14.09	-
(d)	56.0 Kbps	14.09	-

C. Optional Features and Functions

1. Bridging

(a)	Per Port	26.93	-

2. Loop Transfer Arrangement (Key Activated or Dial-up)

(a)	Per Four Port Arrangement	6.75	-

D. Public Packet Switching Network (PPSN)

1. Interface Arrangement

(a)	Per 9.6 Kbps[1] Arrangement	-	-
(b)	Per 56.0 Kbps[1] Arrangement	-	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.6 Digital Data Access Service (Cont'd)

E. Channel Service Unit

1. Per Terminal

		Monthly Rate	Nonrecurring Charge
(a)	2.4 Kbps	$18.60	$-
(b)	4.8 Kbps	19.88	-
(c)	9.6 Kbps	20.85	-
(d)	56.0 Kbps	21.73	-

22.4.7 High Capacity Service

A. Channel Terminal

1. Per Terminal

(a)	1.544 Mbps	271.17	381.10
(b)	3.152 Mbps[1]	-	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

B. Channel Mileage

1. Facility, Per Mile

(a)	1.544 Mbps	1.29	-
(b)	3.152 Mbps	31.91	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

2. Terminal, Each

(a)	1.544 Mbps	17.77	-
(b)	3.152 Mbps	178.15	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.7 Digital Data Access Service (Cont'd)

C. Optional Features and Functions

1. Multiplexing

a. DS4 to DS1

(1) Per Arrangement

	Monthly Rate	Nonrecurring Charge
(a) Each[1]	$ -	$ -
(b) DS3 to DS1	-	-
(2) Per Arrangement		
(a) Each[1]	-	-
b. DS2 to DS1		
(1) Per Arrangement		
(a) Each[1]	-	-
c. DS1C to DS1		
(1) Per Arrangement		
(a) Each[1]	-	-
d. DS1 to Voice		
(1) Per Arrangement		
(a) Each	360.44	-
e. DS1 to DS0		
(1) Per Arrangement		
(a) Each	624.91	-
f. DS0 to Subrates		
(1) Per Arrangement		
(a) Up to 20 2.4 Kbps services	511.06	-
(b) Up to 10 4.8 Kbps services	263.41	-
(c) Up to 5 9.6 Kbps services	183.12	-
2. Automatic Loop Transfer		
(a) Per Arrangement	440.03	-
3. Transfer Arrangement		
(a) Key Activated or Dial up, Per Four Port Arrangement	187.03	
4. Network Channel Terminating Equipment, Per Terminal		
(a) 1.544 Mbps	96.02	-
(b) Automatic Loop Transfer	1,013.35	-

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.8 Transfer of Service

A. Service Rearrangements

1. Special Access Circuits

		Nonrecurring Charge
(a)	Per Billing Account Number	$140.00
(b)	Per circuit	7.00

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges

22.5.1 Charges for Additional Engineering

1. Engineering Consultation and Engineering of Connections with other telephone companies (if not Concurring Carriers):

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic time, regularly scheduled work hours, Per Engineer	$66.00	$39.79
(b)	Overtime, outside of regularly scheduled work hours, Per Engineer	73.41	47.20

22.5.2 Charges for Additional Labor

A. The charges for additional labor are as follows:

1. Overtime Installation or Repair

(a)	Overtime, outside of regularly scheduled working hours on a scheduled work day,[1] Per Technician	29.31	3.10

2. Stand by, Testing and Maintenance with other telephone companies (if not Concurring Carriers) or Other Labor

(a)	Basic time, regularly scheduled working hours, per Technician	-	17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day[1], per Technician	-	21.01
(c)	Premium time, outside of scheduled work day[1], per Technician	-	24.12

[1] A call out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.2 Charges for Additional Labor (Cont'd)

A. (Cont'd)

3. Other Labor (or Testing and Maintenance with other telephone companies, if they are not Concurring carriers)

		First Half Hour Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic Time regularly scheduled working hours, per technician	$44.12	$17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day, [1] per technician	47.22	21.01
(c)	Premium Time, outside of scheduled work day,1 Per Technician	50.33	24.12

22.5.3 Maintenance of Services

A. The maintenance of service charges are as follows:

1. The charges for maintenance of service are as follows:

(a)	Basic time, regularly scheduled working hours, per technician	44.12	17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day, per technician[1]	47.22	21.01
(c)	Premium time, outside of scheduled work day, per technician[1]	50.33	24.12

22.5.4 Restoration Priority

		Nonrecurring Charge
(a)	Restoration Priority, per Service arranged	$104.02

[1] A call out of a Company employee at a time not consecutive with the employee's scheduled work period subject to a minimum charge of four hours.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.5 Presubscription

A. The nonrecurring charge for Presubscription is as follows:

1. Presubscription, per Telephone Exchange Service line or trunk

		Nonrecurring Charge
(a)	Each[1,2]	$5.00

22.5.6 Testing Service

1. Switched Access

a. Additional Cooperative Acceptance Testing

(1) Testing Rates, per technician

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic Time (Regularly scheduled work hours.)	$43.75	$17.54
(b)	Overtime (Outside regularly scheduled work hours on a scheduled work day.)	47.02	20.81
(c)	Premium Time (Outside scheduled work day.)[3]	50.29	24.08

b. Automatic Scheduled Testing (AST)

(1) To first point of switching, per test ordered, per year

		Monthly Rate
(a)	1004 Hz Loss[4,5,6] per transmission path	$0.06
(b)	C Message Noise [4,5,6] per transmission path	0.06
(c)	Return Loss (Balance) [4,5,6] per transmission path	0.06
(d)	Gain Slope4 per transmission path	0.06
(e)	C Notched Noise, per transmission path	0.06

[1] This charge is billed to the end user which is the subscriber to the telephone exchange service.
[2] This charge is billed when the pre-designated IC is an intrastate IC. If the IC is an interstate/intrastate carrier then this rate will apply in lieu of the same rate in the appropriate interstate tariff.
[3] A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.
[4] The IC may specify a more frequent schedule of tests, 60 days prior to the start of the IC prescribed schedule.
[5] These three test represent the minimum offering, i.e., an order for testing must at a minimum, consist of twelve 1004Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The additional test listed may be ordered by the IC at additional charges, 60 days prior to the start of the IC presubscribed schedule.
[6] Subject to a one year minimum contract period.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

1. Switched Access (Cont'd)

c. Cooperative Scheduled Testing (CST)

(1) To first point of switching, per test ordered, per year

		Monthly Rate
(a)	1004 Hz Loss,[4,5,6] per transmission path	0.34
(b)	C Message Noise,[4,5,6] per transmission path	0.25
(c)	Return Loss (Balance), [4,5,6] per transmission path	0.55
(d)	Gain Slope, per transmission path	0.34
(e)	C Notched Noise, per transmission path	0.25

d. Manual Scheduled Testing (MST)

(1) To first point of switching, per test ordered, per year

(a)	1004 Hz Loss,1,2,3 per transmission path	0.90
(b)	C Message Noise, [1,2,3] per transmission path	0.59
(c)	Return Loss (Balance), [1,2,3] per transmission path	1.20
(d)	Gain Slope, per transmission path	0.90
(e)	C Notched Noise, per transmission path	0.59

e. Nonscheduled Testing (NST)

(1) Cooperative Testing:

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic, regularly scheduled work hours, per technician	$43.75	$17.54
(b)	Overtime, outside regularly scheduled work hours on a scheduled work day, per technician	47.02	20.81
(c)	Premium, outside scheduled work day, per technician[4]	50.29	24.08

[1] The IC may specify a more frequent schedule of tests, 60 days prior to the start of the IC prescribed schedule.
[2] These three test represent the minimum offering, i.e., an order for testing must at a minimum, consist of twelve 1004Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The additional test listed may be ordered by the IC at additional charges, 60 days prior to the start of the IC presubscribed schedule.
[3] Subject to a one year minimum contract period.
[4] A call-out of a Company employee at a time no consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

1. Switched Access (Cont'd)
   e. Nonscheduled Testing (NST) (Cont'd)
      (2) Manual Testing

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic, regularly scheduled work hours, per technician	$43.93	$17.72
(b)	Overtime, outside regularly scheduled work hours on a scheduled work day, per technician	47.12	20.91
(c)	Premium, outside scheduled work day, per technician[1]	50.31	24.10

      (3) Automatic Testing, to first point of switching, per test performed:

		Rate
(a)	1004 Hz Loss	12.44
(b)	C Message Noise	12.44
(c)	Return Loss (Balance)	12.44
(d)	Gain Slope	12.44
(e)	C Notched Noise	12.44

2. Special Access
   a. Additional Cooperative Acceptance Testing (ACAT)
      (1) Applies to the following tests:
      VG1 through 3: Attenuation Distortion, C-Message Noise and Balance (Return Loss)
      VG6 through 12: Attenuation Distortion, C-Message Noise, Balance (Return Loss), Impulse Noise, Phase Jitter, Intermodulation Distortion, Envelope Delay Distortion and Frequency Shift

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

2. Special Access (Cont'd)

A. (Cont'd)

1. (Cont'd)

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic time, regularly scheduled work hours, per technician	44.12	17.91
(b)	Overtime, outside or regularly scheduled work hours on a scheduled work day, per technician	47.22	21.01
(c)	Premium time, outside of scheduled work day, per technician1	50.33	24.12

b. Nonscheduled Testing (NST)

(1) Testing Rates, per technician

(a)	Basic time (Regularly scheduled work hours)	44.12	17.91
(b)	Overtime (Outside regularly scheduled work hours on a scheduled work day)	47.22	21.01
(c)	Premium time (Outside scheduled work day)[1]	50.33	24.12

[1] A call-out of a Company employee at a time no consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.7 Provision of Access Service Billing Information

1. Provision of Standard Billing Detail and/or Information via electronic format

	Rate
(a)	$-

2. Additional copies of IC monthly bill or service and features record in standard paper or electronic format

(a)	-

22.5.8 Equal Access Subscription

A. The nonrecurring charges for a change in IntraLATA Subscription are as follows:

1. Subscription change when not performed simultaneously with interLATA PIC change to the same carrier, per line or trunk

		Nonrecurring Charge
(a)	billed to the end user or pay telephone location provider or its authorized agent	$5.00
(b)	billed to the end user or pay telephone location provider or its authorized agent	1.25

2. Subscription change when performed simultaneously with the interLATA PIC change to the same carrier, per line or trunk

(a)	billed to the end user or pay telephone location provider or its authorized agent	5.00
(b)	billed to the end user or pay telephone location provider or its authorized agent	0.62

B. The nonrecurring charge for an unauthorized change in IntraLATA Subscription is as follows:

1. Unauthorized Subscription Change

(a)	per business or residence line or trunk[1]	19.41
(b)	billed to the end user or pay telephone location provider or its authorized agent	0.62

[1] If an unauthorized change in IntraLATA and InterLATA Subscription occurs at the same time, on the same Business, Residence line or trunk, and the Subscribed IC is the same IC for IntraLATA and InterLATA Subscription, the IC will be assessed one unauthorized Subscription charge as provided in the National Exchange Carrier Association's Tariff FCC No. 5, Section 17.4.4. In addition, the IC will be assessed the applicable PIC change charge for returning the end user or location provider or its authorized agent to their preferred intraLATA subscribed IC as provided in 22.5.7.A. preceding. Additionally, the applicable PIC change charge, as provided in National Exchange Carrier Association's Tariff FCC No. 5, Section 17.4.4 will be assessed to the IC to return the end user or location provider or its authorized agent to their previous authorized carrier.

22. RATES AND CHARGES – Star Telephone Membership Corporation

22.6 IntraLATA Toll Originating Responsibility Plan (ITORP)

A. Access compensation rates, IntraLATA toll DA and Billing and Collection rates are specified following. For other applicable access charges, refer to the intrastate switched access charges specified in the applicable Access Tariff on file for the terminating LEC.

1. IntraLATA Toll

		Rate
(a)	Directory Assistance, per call	$0.5000
(b)	Billing and Collection, per message	0.0666

B. Network Compensation Rates

(a)	Rates Per Minute of Use	0.001963

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.1 Carrier Common Line Access

A. The rate for Intrastate Carrier Common Line Access is:

1. Carrier Common Line Charge

a. Originating Access Minutes

(a) Per Minute $-

b. Terminating Access Minute

(a) Per Minute -

22.2 Ordering Options for Switched Access and Special Access Service

		Nonrecurring Charge
(1)	Service Date Change	
(a)	Service Date Change Charge, per Order	$26.21
(2)	Other Modification Change	
(a)	Per Order	26.21
(3)	Planned Facilities Order Modification Charge	
(a)	Per Order	26.21

22.3 Switched Access Service

22.3.1 Minimum Monthly Usage Charge (MMUC)

A. The Minimum Monthly Usage Charge (the minimum transport charge) varies by mileage band and capacity.

The MMUC is as follows:

	Mileage Bands	Minimum Transport Charge per BHMC[1]
(a)	0 to 1	$0.3300
(b)	Over 1 to 8	0.7575
(c)	Over 8 to 16	0.8775
(d)	Over 16 to 25	0.9450
(e)	Over 25 to 50	1.5225
(f)	Over 50 to 100	2.1225
(g)	Over 100	3.3975

[1] BHMC is the Access Connections busy hour minutes of capacity provided to the end office.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.2 Access Connections

A. Installation of New Service

1. Feature Group A

		Nonrecurring Charge
(a)	Per First Line	$640.00
(b)	Each Additional Line	135.00

2. Feature Groups B, C and D

(a)	Per First Trunk or Signaling Connection	915.00
(b)	Each Additional Trunk or Signaling Connection	272.00

3. Interface Groups

(a)	Group 1, Two-Wire path with Loop signaling	-
(b)	Group 2, Four-Wire path with Loop signaling	-
(c)	Group 6, DS1 level path with Bit Stream signaling	-
(d)	Group 7, DS1C level path with Bit Stream signaling	-
(e)	Group 8, DS2 level path with Bit Stream signaling	-
(f)	Group 9, DS3 level path with Bit Stream signaling	-
(g)	Group 10, DS4 level path with Bit Stream signaling	-

B. Interface Group Non-chargeable Optional Features

1. Supervisory Signaling

a. DX Supervisory Signaling arrangement
Per Transmission Path[1]

b. SF Supervisory Signaling arrangement
Per Transmission Path[2]

c. E&M Type I Supervisory Signaling arrangement
Per Transmission Path[1]

d. E&M Type II Supervisory Signaling arrangement
Per Transmission Path

[1] Available with Interface Groups 1 and 2.
[2] Available with Interface Groups 2 and 6 and 7

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.2 Access Connections (Cont'd)

B. Interface Group Non-chargeable Optional Features (Cont'd)

1. Supervisory Signaling (Cont'd)

e. E&M Type III Supervisory Signaling arrangement

Per Transmission Path[1]

f. Tandem Supervisory Signaling arrangement

Per Transmission Path[2]

2. IC Specified Entry Switch Receive Level

a. IC specification of the receive transmission level at the first point of switching within a range acceptable to the Company[3]

Per Transmission Path

C. Network Blocking Charge, applies to FGD only.

		Rate
(a)	Per call blocked	$0.0076

22.3.3 Local Transport

A. Call Miles

(1) Usage Rate per Access Minute

		Per Access Minute
(a)	0 to 1	$-
(b)	Over 1 to 8	-
(c)	Over 8 to 16	-
(d)	Over 16 to 25	-
(e)	Over 25 to 50	-
(f)	Over 50 to 100	-
(g)	Over 100	-

[1] Available with Interface Group 2 for FGC and FGD.
[2] Available with Interface Group 2 for FGA.
[3] Available with Interface Groups 2 through 7 for FGA and FGB.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.3 Local Transport (Cont'd)

B. Options

1. Provision of other than Company Selected

   Traffic Routing (available with FGB, FGC and FGD)

   a. Direct Trunking in lieu of Tandem Trunking

      Per Transmission Path[1]

   b. Tandem Trunking in lieu of Direct Trunking

      Per Transmission Path[4]

2. IC Specification of Feature Group Directionality (Available with FGB, FGC, FGD and FGE)[2]

   a. One Way Operation in lieu of Two Way Operation[4]

   b. Two Way Operation in lieu of One Way Operation[4]

3. IC Specification of a Local Transport Termination (Available with FGB with Type B Transmission Performance)

   a. Four Wire Termination in lieu of Two Wire Termination[4]

22.3.4 End Office

A. Local Switching

1. Common Switching Nonchargeable Optional Features

   a. Call denial on line or hunt group, available with FGA

      Per Transmission Path or Transmission Path Group

   b. Service Code Denial on line or hunt group, available with FGA

      Per Transmission Path or Transmission Path Group

   c. Hunt Group Arrangement, available with FGA

      Per Transmission Path Group[3]

   d. Uniform Call Distribution Arrangement, available with FGA

      Per Transmission Path Group[1]

   e. Nonhunting Numbers for use with Hunt Group Arrangements or U.C.D.

      Arrangement available with FGA

      Per Transmission Path

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[1] Rates and charges based on individual cases will apply.
[2] For FGC this option is available only in electronic end offices.
[3] Optional features on an end office and/or access tandem basis are available only on an entire transmission path group.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

A. Local Switching (Cont'd)

1. Common Switching Nonchargeable Optional Features (Cont'd)

f. Automatic Number Identification, available with FGB, FGC and FGD

Per Transmission Path Group[1]

g. Up to 7 Digit Outpulsing of Access Digits to IC, available with FGB

Per Transmission Path Group[1]

h. Dial Pulse Address Signaling, available with FGC

Per Transmission Path Group

i. Service Class Routing, available with FGC and FGD

Per End Office and/or Access Tandem

j. Alternate Traffic Routing, Multiple Customer Premises Alternate Routing available with FGB, FGC and FGD

Per End Office and/or Access Tandem

End Office Alternate Routing, when ordered in trunks, available with FGB and FGD,

Per End office and/or Access Tandem

k. Trunk Access Limitation Arrangement, available with FGC and FGD

Per End Office

l. Call Gapping Arrangement, available with FGD

Per End Office

m. Band Advance Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path Group[1]

n. End Office Customer Line Service Screening on Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path

o. Hunt Group Arrangement for Dedicated Access Lines Service, available with FGC and FGD

Per Transmission Path Group

p. Uniform Call Distribution Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path Group

q. Nonhunting Number for use with Hunt Group Arrangement or U.C.D. Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path

[1] Optional features on an end office and/or access tandem basis are available only on an entire transmission path group.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

A. Local Switching (Cont'd)

2. Transport Termination Nonchargeable Options

a. Line Side Terminations for FGA

(1) Two Way Operation

-Dial Pulse with Loop Start
-Dial Pulse with Ground Start
-DTMF with Loop Start
-DTMF with Ground Start

(2) Terminating Operation

-Dial Pulse with Loop Start
-Dial Pulse with Ground Start
-DTMF with Loop Start
-DTMF with Ground Start

(3) Originating Operation

-Loop Start
-Ground Start

b. Standard Trunk for Originating, Terminating or Two Way operation, available with FGB, FGC and FGD

c. Rotary Dial Station Signaling Trunk, available with FGB

d. Operator Trunk, Non Coin available with FGC also available with FGC or FGD when used in conjunction with Operator Transfer Service

e. Operator Trunk, Full Feature Arrangement, available with FGD

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.5 800 Access Ten Digit Screening Service

A. 800 Access Ten Digit Screening Service

1. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with 800 Number Delivery

	Rate
(a) Per Query	$0.0055

2. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with 800 Number Delivery for 800 Numbers with Optional Complex Feature, i.e., Call Handling and Destination Features

(a) Per Query	0.0061

3. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with POTS Number Delivery

(a) Per Query	-

4. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with POTS Number Delivery for 800 Numbers with Optional Complex Feature, i.e., Call Handling and Destination Features

(a) Per Query	-

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.6 Service Rearrangements

			Rate
A.	Change of Service		
	1. Submitted on the Same ASR[1]		
	(a)	Per Request	$92.00
B.	Feature Group A		
	1. Line Side Service		
	(a)	Per transmission path[2]	10.00
C.	Feature Groups B, C and D		
	1. Trunk Side Service		
	(a)	Per transmission path[2]	5.00
D.	Common Block		
	1. Translations Related		
	(a)	Per End Office and Tandem Office Affected[2]	90.00
E.	500 Access Service		
	1. Change in dialing capability		
	(a)	Per NXX Per End Office and Tandem Office affected[2]	15.00

22.3.7 Transfer of Service

A.	Transfer of Service		
	1. Billing Account Number		
	(a)	Each	170.00
B.	Feature Group A		
	1. Line Side Service		
	(a)	Per Transmission Path[3]	7.00
C.	Feature Groups B, C and D		
	1. Trunk Side Service		
	(a)	Per Transmission Path[3]	8.00

[1] Services requested on multiple ASRs will be treated as one request when requirements, as specified in 6.1.7, are met.
[2] This charge is in addition to that set forth in 22.3.6.A.
[3] This charge is in addition to that set forth in 22.3.7.A.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.8 500 Access Service

A. 500 Access Service

1. 500 Customer Identification

		Rate
(a)	Per Call	$0.01

2. Service Activation Charge - Per Company End Office Switch or Access Tandem in which translations are required

		Nonrecurring Charge
(a)	First NXX Code Submitted on ASR	$40.00
(b)	Additional NXX Code submitted on ASR	20.00

22.3.9 RESERVED FOR FUTURE USE

22.3.10 End Office

A. Premium

1. Residual Interconnection Charge

		Rate
(a)	Per Originating Access Minute of use	$0.002614

2. End Office

a. Local Switching

(1) Feature Groups A & B (except: (1) Feature Group B utilized for the provision of MTS/WATS service and (2) Feature Groups A and B when utilized for the provision of terminating inward WATS and WATS-type services at an access WATS Serving Office.

(a)	Per Originating Access Minute	0.00900

3. Directory Assistance Information Surcharge

(a)	Per 100 Access Minutes	0.00850

22.3.11 Tandem Transport

1. Tandem Switched Facility

		Rate
(a)	Per Originating Access Minute Per Mile	$0.000418

2. Tandem Switched Termination

(a)	Per Originating Access Minute Per Termination	0.002171

3. Tandem Switching

(a)	Per Originating Access Minute Per Tandem	0.005476

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services

22.4.1 Access Connections

		Monthly Rate
A.	Two-Wire Access Connections	
	1. For use with NB1-5, VG1-12 and AP1-4	
	(a) Each Two Wire Access Connection	$1.40
B.	Four-Wire Access Connections	
	1. For use with NB4-5, VG1-12 and DA1-4 with DU facility interface.	
	(a) Each Four Wire Access Connection	2.80
C.	Group Access Connections[1]	
	1. For use with WA1	
	(a) Each group Access Connection	-
D.	20 kHz Access Connection[1]	
	1. For use with WA3	
	(a) Each 20 kHz Access Connection	-
E.	13 kHz Access Connections[1]	
	1. For use with WA4	
	(a) Each 13 kHz Access Connection	-
F.	19.2 kbps Access Connections[1]	
	1. For use with WD1	
	(a) Each 19.2 kbps Access Connection	-
G.	50 kbps Access Connections[1]	
	1. For use with WD2	
	(a) Each 50 kbps Access Connection	-
H.	230.4 kbps Access Connections[1]	
	1. For use with WD3	
	(a) each 230.4 kbps Access Connection	-
I.	56 kbps Access Connections[1]	
	1. For use with WD4	
	(a) Each 56 kbps Access Connection	-

[1] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.1 Access Connections (Cont'd)

J. DS1 - 1.544 Mbps Access Connections

	Monthly Rate
1. For use with HC1	
(a) Each DS1 Access Connection	$36.00
K. DS1C - 3.152 Mbps Access Connections[1]	
1. For use with HC1C	
(a) Each DS1C Access Connection	-
L. DS2 - 6.312 Mbps Access Connections[1]	
1. For use with HC2	
(a) Each DS2 Access Connection	-
M. DS3 - 44.736 Mbps Access Connections[1]	
1. For use with HC3	
(a) Each DS3 Access Connection	-
N. DS4 - 276.176 Mbps Access Connections[1]	
1. For use with HC4	
(a) Each DS4 Access Connection	-

[1] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport

A. Mileage measured between IC serving wire center to Hub, IC serving wire center to End User serving wire center or Hub to End User serving wire center.

1. For method of determining mileage, see 7.4.5 and 10.

a. Fixed and Mileage Charges applicable

(1) Two-wire metallic (for use with NB1-3)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$-	$6.40
(b)	Over 4 to 8 Miles, per mile	.80	6.40
(c)	Over8 to 16 Miles, per mile	.80	6.40
(d)	Over 16 to 25 Miles, per mile	.80	6.40
(e)	Over 25 to 50, per mile	.80	6.40
(f)	Over 50 to Miles, per mile	.80	6.40
(g)	Over 100 Miles, per mile	.80	6.40

(2) 75 Baud (for use with NB4)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Milesper mile	$-	$5.45
(b)	Over 4 to 8 Miles, per mile	2.50	4.05
(c)	Over 8 to 16 Miles, per mile	11.95	2.65
(d)	Over 16 to 25 Miles, per mile	21.40	2.00
(e)	Over 25 to 50 Miles, per mile	39.50	1.25
(f)	Over 50 to 100 Miles, per mile	40.20	1.25
(g)	Over 100 Miles, per mile	40.20	1.25

(3) 150 Baud (for use with NB5)

(a)	0 to 4 Miles, per mile		5.45
(b)	Over 4 to 8 Miles, per mile	2.50	4.05
(c)	Over 8 to 16 Miles, per mile	11.95	2.65
(d)	Over 16 to 25 Miles, per mile	21.40	2.00
(e)	Over 25 to 50 Miles, per mile	39.50	1.25
(f)	Over 50 to 100 Miles, per mile	40.20	1.25
(g)	Over 100 Miles, per mile	47.70	1.25

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. (Cont'd)

a. Fixed and Mileage Charges applicable (Cont'd)

(4) Two-Wire/Four-Wire Voice (for use with VG1-12 and interLATA only Dedicated Access Line Service)

(a)	0 to 4 Miles, per mile		8.09
(b)	Over 4 to 8 Miles, per mile	8.26	6.00
(c)	Over 8 to 16 Miles, per mile	25.75	3.82
(d)	Over 16 to 25 Miles, per mile	61.44	1.63
(e)	Over 25 to 50 Miles, per mile	61.44	1.63
(f)	Over 50 to 100 Miles, per mile	79.33	1.27
(g)	Over 100 Miles, per mile	79.33	1.27

(5) 3.5 kHz Audio (for use with AP1)

(a)	0 to 4 Miles, per mile	-	6.45
(b)	Over 4 to 8 Miles, per mile	2.50	6.45
(c)	Over 8 to 16 Miles, per mile	2.50	6.45
(d)	Over 16 to 25 Miles, per mile	2.50	6.45
(e)	Over 25 to 50 Miles, per mile	2.50	6.45
(f)	Over 50 to 100 Miles, per mile	2.50	6.45
(g)	Over 100 Miles, per mile	2.50	6.45

(6) 5 kHz Audio (for use with AP2)

(a)	0 to 4 Miles, per mile	$-	$6.45
(b)	Over 4 to 8 Miles, per mile	7.50	6.45
(c)	Over 8 to 16 Miles, per mile	7.50	6.45
(d)	Over 16 to 25 Miles, per mile	7.50	6.45
(e)	Over 25 to 50 Miles, per mile	7.50	6.45
(f)	Over 50 to 100 Miles, per mile	7.50	6.45
(g)	Over 100 Miles, per mile	7.50	6.45

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. (Cont'd)

a. Fixed and Mileage Charges applicable (Cont'd)

(7) 8 kHz Audio (for use with AP3)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$-	$6.45
(b)	Over 4 to 8 Miles, per mile	6.90	6.45
(c)	Over 8 to 16 Miles, per mile	6.90	6.45
(d)	Over 16 to 25 Miles, per mile	6.90	6.45
(e)	Over 25 to 50 Miles, per mile	6.90	6.45
(f)	Over 50 to 100 Miles, per mile	6.90	6.45
(g)	Over 100 Miles, per mile	6.90	6.45

(8) 15 khz Audio (for use with AP4)[1]

(a)	0 to 4 Miles, per mile	-	-
(b)	Over 4 to 8 Miles, per mile	-	-
(c)	Over 8 to 16 Miles, per mile	-	-
(d)	Over 16 to 25 Miles, per mile	-	-
(e)	Over 25 to 50 Miles, per mile	-	-
(f)	Over 50 to 100 Miles, per mile	-	-
(g)	Over 100 Miles, per mile	-	-

(9) Group (for use with WA1 and WA1T),[2]

(10) 20 kHz (for use with WA3)[1]

(11) 13 kHz (for use with WA4)[1]

(12) 19.2 kbps (for use with WD1)[1]

(13) 50.0 kbps (for use with WD2)[1]

(14) 230.4 kbps (for use with WD3)[1]

(15) 56.0 kbps (for use with WD4)[1]

[1] Rates and Charges based on individual cases will apply.
[2] For WA1T, two are required

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. (Cont'd)

a. Fixed and Mileage Charges applicable (Cont'd)

(16) Digital Data 1 (for use with DA1)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$143.70	$-
(b)	Over 4 to 8 Miles, per mile	184.00	2.30
(c)	Over 8 to 16 Miles, per mile	184.00	2.30
(d)	Over 16 to 25 Miles, per mile	184.00	2.30
(e)	Over 25 to 50 Miles, per mile	184.00	2.30
(f)	Over 50 to 100 Miles, per mile	184.00	2.30
(g)	Over 100 Miles, per mile	184.00	2.30

2. Digital Data 2 (for use with DA2)

(a)	0 to 4 Miles, per mile	151.05	-
(b)	Over 4 to 8 Miles, per mile	193.30	2.80
(c)	Over 8 to 16 Miles, per mile	193.30	2.80
(d)	Over 16 to 25 Miles, per mile	193.30	2.80
(e)	Over 25 to 50 Miles, per mile	193.30	2.80
(f)	Over 50 to 100 Miles, per mile	193.30	2.80
(g)	Over 100 Miles, per mile	193.30	2.80

3. Digital Data 3 (for use with DA3)

(a)	0 to 4 Miles, per mile	182.80	-
(b)	Over 4 to 8 Miles, per mile	212.15	3.10
(c)	Over 8 to 16 Miles, per mile	212.15	3.10
(d)	Over 16 to 25 Miles, per mile	212.15	3.10
(e)	Over 25 to 50 Miles, per mile	212.15	3.10
(f)	Over 50 to 100 Miles, per mile	212.15	3.10
(g)	Over 100 Miles, per mile	212.15	3.10

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

4. Digital Data 4 (for use with DA4)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$384.80	$-
(b)	Over 4 to 8 Miles, per mile	360.05	8.00
(c)	Over 8 to 16 Miles, per mile	360.05	8.00
(d)	Over 16 to 25 Miles, per mile	360.05	8.00
(e)	Over 25 to 50 Miles, per mile	360.05	8.00
(f)	Over 50 to 100 Miles, per mile	360.05	8.00
(g)	Over 100 Miles, per mile	360.05	8.00

5. DS1 - 1.544 Mbps (for use with HC1[1] and interLATA only Dedicated Access Line Service)

(a)	0 to 4 Miles, per mile	26.85	30.00
(b)	Over 4 to 8 Miles, per mile	26.85	30.00
(c)	Over 8 to 16 Miles, per mile	26.85	30.00
(d)	Over 16 to 25 Miles, per mile	26.85	30.00
(e)	Over 25 to 50 Miles, per mile	26.85	30.00
(f)	Over 50 to 100 Miles, per mile	26.85	30.00
(g)	Over 100 Miles, per mile	26.85	30.00

6. DS1C - 3.152 Mbps (for use with HC1C[1])

   Rates and charges based on individual cases will apply.

7. DS2 - 6.312 Mbps (for use with HC2[1])

   Rates and charges based on individual cases will apply.

8. DS3 - 44.736 Mbps (for use with HC3[1])

   Rates and charges based on individual cases will apply.

9. DS4 - 274.176 Mbps (for use with HC4[1])

   Rates and charges based on individual cases will apply.

[1] Additional applications are obtainable through the use of suitable multiplexing at the Hub.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions

A. Facility Interface Combinations

1. Narrowband Services

Facility Interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(a)	DC/DC (NB1, 2 and 3)	$-	$123.00	$46.00
(b)	TT/TT (NB4)	3.85	268.50	169.50
(c)	DB 10/TT (NB4)	3.85	268.50	169.50
(d)	DB 10/IA (NB5)	6.00	268.50	169.50
(e)	AH/DC[1] (NB2)	-	123.00	46.00
(f)	AH/TT[1] (NB4)	3.85	268.50	169.50
(g)	AH/IA[1] (NB5)	6.00	268.50	169.50
(h)	DS/DC[2] (NB2)	-	123.00	46.00
(i)	DS/TT[2] (NB4)	3.85	268.50	169.50
(j)	DS/IA[2] (NB5)	6.00	268.50	169.50

2. Voice Grade Services

Facility interfaces are specified in the order of IC/End User

(a)	AB/AC (VG2)	.65	147.00	44.00
(b)	AB/SF (VG2)	-	141.50	38.50
(c)	AH/AC (VG2)[3,4]	.65	147.00	44.00
(d)	AH/DA (VG5, 6, 10 & 12)[4]	-	141.50	38.50
(e)	AH/DE (VG5)[4]	-	141.50	38.50
(f)	AH/DX (VG9)[4]	-	141.50	38.50
(g)	AH/DY (VG3, 7, & 8)[4]	-	141.50	38.50
(h)	AH/EA (VG3, 7, 8, & 9)[4]	2.75	160.50	57.50

[1] Requires intermediate DS1 to Voice multiplexor.
[2] Requires intermediate multiplexing.
[3] Requires intermediate DS1 to Voice multiplexor.
[4] Requires intermediate Group to Voice multiplexor.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)
Facility interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(i)	AH/EB (VG3, 7, 8, & 9) [4]	$2.75	$160.50	$57.50
(j)	AH/GO (VG1) [4]	-	141.50	38.50
(k)	AH/GS (VG1, 3, & 7) [4]	-	141.50	38.50
(l)	AH/LA (VG2 & 7) [4]	2.60	156.50	53.50
(m)	AH/LB (VG2 & 7) [4]	1.75	151.00	48.00
(n)	AH/LC (VG2 & 7) [4]	.20	143.00	40.00
(o)	AH/LO (VG1, 2 & 7) [4]	-	141.50	38.50
(p)	AH/LR (VG2) [4]	3.70	156.50	53.50
(q)	AH/LS (VG1, 2, 5, 6, 7, 9, 10, & 12) [4]	-	141.50	38.50
(r)	AH/NO (VG1, 2, 5, 6, 7, & 9) [4]	-	141.50	38.50
(s)	AH/RV (VG3, & 7) [4]	-	141.50	38.50
(t)	AH/SF (VG2, 3, 7, 8 & 9)	-	141.50	38.50
(u)	AH/TF (VG11) [4]	-	141.50	38.50
(v)	DA/DA (VG10)	-	141.50	38.50
(w)	DB/DA (VG6, 10 & 12)	-	141.50	38.50
(x)	DB/NO (VG6)	-	141.50	38.50
(y)	DD/DE (VG5)	-	141.50	38.50
(z)	DS/AC (VG2) [1]	.65	147.00	44.00

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(aa)	DS/DA (VG5, 6, 10 & 12) [1]	$141.50	$38.50	$-
(bb)	DS/DE (VG5) [1]	-	141.50	38.50
(cc)	DS/DX (VG9) [1]	-	141.50	38.50
(dd)	DS/DY (VG3, 7, & 8) [1]	-	141.50	38.50
(ee)	DS/EA (VG3, 7, 8, & 9) [1]	2.75	160.50	57.50
(ff)	DS/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(gg)	DS/GO (VG1)[1]	-	141.50	38.50
(hh)	DS/GS (VG1, 3, & 7)[1]	-	141.50	38.50
(ii)	DS/LA (VG2 & 7)[1]	2.60	156.50	53.50
(jj)	DS/LB (VG2 & 7)[1]	1.75	151.00	48.00
(kk)	DS/LC (VG2 & 7)[1]	.20	143.00	40.00
(ll)	DS/LO (VG1, 2, & 7)[1]	-	141.50	38.50
(mm)	DS/LR (VG2)[1]	3.70	156.50	53.50
(nn)	DS/LS (VG2, 2, 3, 7, & 8)[1]	-	141.50	38.50
(oo)	DS/NO (VG1, 2, 5, 6, 7, & 9)[1]	-	141.50	38.50
(pp)	DS/RV (VG3 & 7)[1]	-	141.50	38.50

[1] Requires intermediate DS1 to Voice multiplexor.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)
Facility interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(qq)	DS/SF (VG2, 3, 7, 8 & 9)[1]	$-	$141.50	$38.50
(rr)	DS/TF (VG11)[1]	-	141.50	-
(ss)	DX/DX (VG9)	-	-	38.50
(tt)	DX/DY (VG3, 7, & 8)	-	141.50	38.50
(uu)	DX/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(vv)	DX/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(ww)	DX/LA (VG2 & 7)	2.60	156.50	53.50
(xx)	DX/LB (VG2 & 7)	1.75	151.00	48.00
(yy)	DX/LC (VG2 & 7)	.20	143.00	40.00
(zz)	DX/LO (VG2 & 7)	-	141.50	38.50
(aaa)	DX/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(bbb)	DX/RV (VG3 & 7)	-	141.50	38.50
(ccc)	DX/SF (VG2, 3, 7, 8, & 9)	-	141.50	38.50
(ddd)	EA/AC (VG2)	65	147.00	44.00
(eee)	EA/DX (VG9)	-	141.50	38.50
(fff)	EA/DY (VG3, 7, & 8)	-	141.50	38.50
(ggg)	EA/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(hhh)	EA/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(iii)	EA/LA (VG2 & 7)	$2.60	$156.50	$53.50
(jjj)	EA/LB (VG2 & 7)	1.75	151.00	48.00
(kkk)	EA/LC (VG2 & 7)	.20	143.00	40.00
(lll)	EA/LO (VG2 &7)	-	141.50	38.50
(mmm)	EA/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(nnn)	EA/RV (VG3 & 7)	-	141.50	38.50
(ooo)	EA/SF (VG2, 3, 7, 8 & 9)	-	141.50	38.50
(ppp)	EB/AC (VG2)	.65	147.00	44.00
(qqq)	EB/DX (VG9)	-	141.50	38.50
(rrr)	EB/DY (VG3, 7, & 8)	-	141.50	38.50
(sss)	EB/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(ttt)	EB/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(uuu)	EB/LA (VG2 & 7)	2.60	156.50	53.50
(vvv)	EB/LB (VG2 & 7)	1.75	151.00	48.00
(www)	EB/LC (VG2 & 7)	.20	143.00	40.00
(xxx)	EB/LO (VG2 & 7)	-	141.50	38.50
(yyy)	EB/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(zzz)	EB/RV (VG3 & 7)	-	141.50	38.50

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(aaaa)	EB/SF (VG2, 3, 7, 8, & 9)	$-	$141.50	$38.50
(bbbb)	EC/DY (VG3, 7, & 8)	-	141.50	38.50
(cccc)	EC/EA (VG3, 7, & 8)	2.75	160.50	57.50
(dddd)	EC/EB (VG3, 7, & 8)	2.75	160.50	57.50
(eeee)	EC/SF (VG3, 7 & 8)	-	141.50	38.50
(ffff)	EX/GS (VG3 & 7)	-	141.50	38.50
(gggg)	EX/LA (VG2 & 7)	2.60	156.50	53.50
(hhhh)	EX/LB (VG2 & 7)	1.75	151.00	48.00
(iiii)	EX/LC (VG2 & 7)	-	143.00	40.00
(jjjj)	EX/LO (VG1, 2, & 7)	-	141.50	38.50
(kkkk)	EX/LR (VG2)	3.70	156.50	53.50
(llll)	EX/LS (VG1, 2, 3, & 7)	-	141.50	38.50
(mmmm)	EX/SF (VG1, 3, & 7)		141.50	38.50
(nnnn)	GO/GS (VG1, 3, & 7)	-	141.50	38.50
(oooo)	GO/SF (VG3 & 7)	-	141.50	38.50

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(pppp)	GS/GO (VG1)	$-	$141.50	$38.50
(qqqq)	LO/LS (VG1, 2, 3, 7, & 8)	-	141.50	38.50
(rrrr)	LO/SF (VG2, 3, & 7)	-	141.50	38.50
(ssss)	LR/LR (VG2)	3.70	156.50	53.50
(tttt)	LR/SF (VG2)	-	141.50	
(uuuu)	LS/LA (VG2 & 7)	2.60	156.50	53.50
(vvvv)	LS/LB (VG2 & 7)	1.75	151.00	48.00
(wwww)	LS/LC (VG2 & 7)	.20	143.00	40.00
(xxxx)	LS/LO (VG1, 2, & 7)	-	141.50	38.50
(yyyy)	LS/SF (VG2)	-	141.50	38.50
(zzzz)	NO/DA (VG6, 10, & 12)	-	141.50	38.50
(aaaaa)	NO/NO (VG1, 2, 5, 6, 7, & 9)	-	141.50	38.50
(bbbbb)	RV/RV (VG3 & 7)	-	141.50	38.50
(ccccc)	RV/SF (VG3 & 7)	-	141.50	38.50
(ddddd)	SF/AC (VG2)	.65	147.00	44.00
(eeeee)	SF/DX (VG9)	-	141.50	38.50
(fffff)	SF/DY (VG3, 7, & 8)	-	141.50	38.50

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(ggggg)	SF/EA (VG3, 7, 8, & 9)	$2.75	$160.50	$57.50
(hhhhh)	SF/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(iiiii)	SF/GS (VG1, 3, & 7)	-	141.50	38.50
(jjjjj)	SF/LA (VG2, & 7)	2.60	156.50	53.50
(kkkkk)	SF/LB (VG2 & 7)	1.75	151.00	48.00
(lllll)	SF/LC (VG2 & 7)	.20	143.00	40.00
(mmmmm)	SF/LO (VG1 & 2)		141.50	38.50
(nnnnn)	SF/LR (VG2)	3.70	156.50	53.50
(ooooo)	SF/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(ppppp)	SF/RV (VG3 & 7)	-	141.50	38.50
(qqqqq)	SF/SF (VG2, 3, 7, 8, & 9)	-	141.50	38.50
(rrrrr)	TF/TF (VG11)	-	141.50	38.50

3. Wideband Analog Services[1]

(a)	Facility Interfaces are specified in the order of IC/End User			
(b)	AH D/AH B (WA1)	-	-	-
(c)	AH C/AH B (WA1)	-	-	-
(d)	AH B/AH B (WA1)	-	-	-
(e)	AH C/AH C (WA2)	-	-	-
(f)	AH D/AH C (WA2)	-	-	-
(g)	AH D/AH D (WA2A)	-	-	-
(h)	WD 1/WA 1 (WA3)	-	-	-
(i)	WD 2/WA 1 (WA3)	-	-	-
(j)	WD 3/WA 2 (WA4)	-	-	-

[1] Wideband Analog Services will be rated and provided on an individual case basis.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

4. Wideband Digital Services[1]

Facility Interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(a)	WB 19S/WC 19 (WD1)	$ -	$ -	$ -
(b)	WB 18S/WC 18 (WD1)	-	-	-
(c)	WB 19A/WC 19 (WD1)	-	-	-
(d)	WB 50S/WC 50 (WD2)	-	-	-
(e)	WB 40S/WC 40 (WD2)	-	-	-
(f)	WB 50A/WC 50 (WD2)	-	-	-
(g)	WB 23S/WC 23S (WD3)	-	-	-
(h)	WB 23A/WC 23 (WD3)	-	-	-
(i)	WB 64/DU 56 (WD4)	-	-	-
(j)	DO/DU 56 (WD4)	-	-	-

5. Digital Data Access Services

Facility Interfaces are specified in the order of IC/End User

(a)	DU 24/DU 24 (DA1)	-	180.00	61.00
(b)	DS/DU 24[2] (DA1)	-	180.00	61.00
(c)	DU 48/DU 48 (DA2)	-	180.00	58.00
(d)	DS/DU 48[1] (DA2)	-	180.00	58.00
(e)	DU 96/DU 96 (DA3)	-	195.00	76.00
(f)	DS/DU96[1] (DA3)	-	195.00	76.00
(g)	DU 56/DU 56 (DA4)	-	210.00	90.00
(h)	DS/DU 56[3] (DA4)	-	$210.00	$90.00

[1] Wideband Digital Services will be rated and provided on an individual case basis.
[2] Digital Data Carrier Multiplexing Equipment is required.
[3] Digital Data Carrier Multiplexing Equipment is required.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

6. High Capacity Services

Facility Interfaces are specified in the order IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(a)	DS 15/DU (HC1)	$24.10	$287.93	$162.00
(b)	DS 31/DS 31 (HC1C)[1]	-	-	-
(c)	DS 31/DS 15 (HC1C)[2]	-	-	-
(d)	DS 63/DS 63 (HC2)[2,2]	-	-	-
(e)	DS 63/DS 15 (HC2)	-	-	-
(f)	DS 44/DS 44 (HC3)[2,3]	-	-	-
(g)	DS 44/DS 15 (HC3)[2]	-	-	-
(h)	DS 27/DS 27 (HC4)[2,3]	-	-	-
(i)	DS 27/DS 15 (HC4)[2]	-	-	-

B. Voice Grade Performance

1. Performance, Per two-point service or each section (i.e., midlink or end link) of a multipoint service.

			Nonrecurring Charge (To Install Service)	
		Monthly Rate	First Service	Each Additional Identical Service
(a)	VG1	$7.35	$53.00	$53.00
(b)	VG2	19.30	68.00	68.00
(c)	VG3	-	-	-
(d)	VG5	12.85	56.00	56.00
(e)	VG6	27.70	105.00	105.00
(f)	VG7	19.30	68.00	68.00
(g)	VG8	19.30	68.00	68.00

[1] Rates and Charges based on individual case will apply.
[2] Available only from an IC terminal location to another IC terminal location or to a Hub.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

B. Voice Grade Performance (Cont'd)

1. (Cont'd)

(h)	VG9	19.50	105.00	105.00
(i)	VG10	20.45	105.00	105.00
(j)	VG11	7.35	53.00	53.00
(k)	VG12	7.35	53.00	53.00

C. Hub Functions

1. Multiplexing

a. DS4 to DS1 arrangement

(1) An arrangement that provides a 274.176 Mbps capacity to multiplex, on a digital time division basis, 168 DS1 channels. (available with HC4)

		Monthly Rate	Nonrecurring Charge
(a)	Per arrangement	$2,815.56	$1,465.73

b. DS3 to DS1 arrangement

(1) An arrangement that provides a 44.736 Mbps capacity to multiplex, on a digital time division basis, 28 DS1 channels. (available with HC3)

(a)	Per arrangement	299.92	370.68

c. DS2 to DS1 arrangement

(1) An arrangement that provides a 6.312 Mbps capacity to multiplex, on a digital time division basis, four DS1 channels. (available with HC2)

(a)	Per arrangement	99.92	182.96

d. DS1C to DS1 arrangement

(1) An arrangement that provides a 3.152 Mbps capacity to multiplex, on a digital time division basis, two DS1 channels. (available with HC1C)

(a)	Per arrangement	20.69	167.32

e. Group to DS1 arrangement[1]

(1) An arrangement that provides two group capacities (i.e., WA1T) to multiplex to a DS1 level. (Available with WA1T)

(a)	Per arrangement	-	-

[1] Rates and charges based on individual case will apply.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

1. Multiplexing (Cont'd)

f. DS1 to Voice arrangement

(1) An arrangement that provides a 1.544 Mbps capacity to multiplex, on a digital time division basis, 24 Voice or Digital Data[1] grade channels. (Available with HC1)

		Monthly Rate	Nonrecurring Charge
(a)	Per arrangement	103.24	151.68

g. Group to Voice arrangement

(1) An arrangement that provides a Group capacity to multiplex, on a frequency division basis, 12 Voice grade channels. (Available with WA1)

(a)	Per arrangement[1]	$-	$-

h. Digital Data Multiplexing (Required with Digital Data Access service with DS facility interface at IC terminal location).

(1) Carrier Multiplexing Unit

- an arrangement that provides a 1.544 Mbps capacity to multiplex on a digital time division basis, 23 64 kbps channels.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Per Unit	$150.95	$140.47	$-

(2) Carrier Multiplexing Plug-Ins

(a)	Per 64 kbps channel equipped[2]	1.56	53.09	135.20

(3) Carrier Sub-Multiplexing Unit: an arrangement that provides a 64 kbps capacity to multiplex on a digital time division basis, subspeed Digital Data Access Services.

(a)	Twenty 2.4 kbps services	146.39	88.66	167.03
(b)	Ten 4.8 kbps services	75.45	70.88	151.12
(c)	Five 9.6 kbps services	52.45	70.88	151.12

[1] Digital Data channels are only available from the serving wire center serving the Company designator digital Hub. Digital Data or DS1 is used only as a component of DA1-4.
[2] Required with DS1 to Digital Data channels hub multiplexing capability (MQ1)

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

2. Bridging

a. Narrowband Bridges

	Monthly Rate	Nonrecurring Charge
(1) Two-Wire Bridging (available with NB1-3)		
(a) Per Port	$-	$-
(2) Telegraph Bridging (available with NB4 and NB5)		
(a) Two Wire, per Port	-	-
(b) Four Wire, per Port	-	-
b. Voice Grade Bridges		
(1) Voice Bridging (available with VG2 & 12)		
(a) Two Wire, per Port	30.80	102.00
(b) Four Wire, per Port	30.80	102.00
(2) Data Bridging (available with VG5, 6, & 10)		
(a) Two Wire, per Port	$9.10	$58.00
(b) Four Wire, per Port	9.10	58.00
(3) Telephoto Bridging (available with VG11)		
(a) Two Wire, per Port	30.80	102.00
(b) Four Wire, per Port	30.80	102.00
(4) Telemetry and Alarm Bridging (Available with VG5)		
Split Band, Active Briding		
(a) Channel Connections, per channel connected, Remote station channel connection, each	2.60	17.00
Passive Bridging		
(b) Channel Connections, per channel connected[1]	2.60	17.00
Summation, Active Bridging		
(c) Channel Connections, per channel connected[1]	2.60	17.00
c. Digital Data Access Bridges (available with DA1-4)		
(1) Central Office Bridge		
(a) Per Port	7.72	10.45

[1] Rates and charges based on individual case will apply.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

3. Digital Data Secondary Channel Capability

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Per Digital Data Access Connection and Special Access Line, each	$15.00	$-	$485.00

D. Optional Features and Functions-Voice Grade Services

1. Conditioning

Conditioning provides more specific transmission characteristics for data or telephoto services. There are two types of data conditioning, C-Type and DA-Type. C-Type conditioning controls attenuation distortion and envelope delay distortion; DA-Type conditioning controls the signal to C-notched noise ratio and intermodulation distortion. Telephoto conditioning controls attenuation distortion and envelope delay distortion.

Conditioning is charged for on a per two-point service or each section (i.e., midlink or end link) of a multi-point basis. The parameters listed for each type of conditioning apply from point of interface to network interface. For two-point services the parameters apply to each service. For multipoint services, the parameters apply to any path between any two service terminal points. C-Type and DA-Type conditioning are available only for data services. C-Type and DA-Type conditioning may be combined on the same service.

Telephoto conditioning is available only for VG11 services.

a. C-Type Conditioning

(1) For the additional control of attenuation distortion and envelope delay distortion on data services.

(2) Attenuation Distortion (Frequency Response) Relative to 1004 Hz

Frequency Range (Hz)	Variation (dB)
400-2800	1.0 to 2.0
300-3000	1.0 to 3.0
300-3200	2.0 to 6.0

(3) Envelope Delay Distortion

Frequency Range (Hz)	Variation (micro seconds)
1000-2600	100
600-2600	300
500-2800	600

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions Voice Grade Services (Cont'd)

1. Conditioning (Cont'd)

a. C Type Conditioning (Cont'd)

(4) C-Type Conditioning is available in VG6, 7 & 10.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	C Type Conditioning, Per Two point Service or each section (i.e., midlink or end link) of a multipoint service.	$1.80	$9.00	$213.00

b. DA-Type Conditioning

(1) For the control of signal to C-notched noise ratio and intermodulation distortion on data services. DA-Type conditioning is available for two-point services or three point multipoint services.

(2) The signal to C-notched noise ratio and intermodulation distortion parameters for DA-Type conditioning are:

Signal to C-Notched Noise Ratio 32 dB

(3) Intermodulation distortion:

Signal to second order modulation products (R2) is equal to or greater than 38 dB.

Signal to third order modulation products (R3) is equal to or greater than 42 dB.

(4) When a service equipped with DA-Type conditioning is used for voice communications, the quality of the voice transmission may not be satisfactory.

(5) DA-Type Conditioning is available with VG6, 7 and 10.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	DA Type Conditioning, Per Two Point Service or each section (i.e., mid link or end link) of a multipoint service.	$15.00	$372.00	$576.00

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions Voice Grade Services (Cont'd)

1. Conditioning (Cont'd)

c. Telephoto Conditioning

(1) For the control of attenuation distortion and envelope delay distortion on telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Conditioning are:

Attenuation Distortion

(1004 Hz Reference)

Frequency Range (Hz)	Variation (db)
500 3000	0.5 to +1.5
300 3200	1.0 to +2.5

Envelope Delay Distortion

Frequency Range (Hz)	Variation (mcs)
1000 2600	110
800 2800	180

(2) Telephoto Conditioning is available with VG11 only.

(a) Telephoto Conditioning, Per Two Point Service or each section (i.e., midlink or end link) of a multipoint service - - -

2. Improved return loss for effective two-wire transmission at the end user's premises

a. Available with VG2, 3 and 7

(1) This option is applicable to all interfaces except E&M, SF & DX when the impedance code 2 is specified. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Improved Return Loss, Per end user premises, per service which this option is available.	$1.95	$13.59	$39.80

3. Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Improved Return Loss, Per IC terminal location, per service	$1.95	$24.68	$50.89

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions Voice Grade Services (Cont'd)

4. IC specified end user premises receive level within a range acceptable to the Company on effective four-wire transmission. (Available with VG2, 3, 7, 8 & 9)

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
5.				
	(a) Specified receive level, per end user premises, per service	$-	$9.63	$35.84

E. Optional Features and Functions - Dedicated Access Line Service

1. Two-Wire Improved Voice Transmission Parameters: (the guaranteed levels are set forth in 7.2.1.F.4.b. preceding)

(a) Per service	6.43	11.04	460.89

2. Four-Wire Improved Voice Transmission Parameters: (the guaranteed levels are set forth in 7.2.1.F.4.c. preceding)

(a) Per service	6.43	11.04	460.89

F. Optional Features and Functions - Digital Data Access Services

1. Loop Transfer Arrangement

a. An arrangement that affords the end user an additional measure of protection to its access channel(s) on a 1 x N basis. This arrangement is only available from a Company designated digital hub. A key activated control service is required to operate the transfer arrangement. This control service must be separately ordered.

(1) Available with DA1, 2, 3 and 4.

(a) Transfer Arrangement, each	16.92	87.96	186.33

G. Optional Features and Functions - High Capacity Services

1. Automatic Protection Switching

a. Switching equipment placed at both ends of a duplicate standby service to automatically switch the standby service to the active state in the event of service failure. Duplicate 1.544 Mbps Service must also be ordered.

(1) Available with HC1.

(a) Per Arrangement	281.15	68.27	159.66

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines

A. Two-Wire[1]

1. For use with NB1-5, VG1-12 and AP1-4

		Monthly Rate
(a)	Two Wire Special Access Line, each	$13.05

2. For use with Dedicated Access Line Service

		Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a)	Two wire Special Access Line, each	$34.00	$141.00	$64.00

B. Four-Wire1

1. For use with NB4-5, VG1-12 and DA1-4

		Monthly Rate
(a)	Four Wire Special Access Line, each	$26.10

2. For use with Dedicated Access Line Service

		Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a)	Four wire Special Access Line, each	$45.00	$157.00	$80.00

C. Group[1,2]

1. For use with WA1

		Monthly Rate
(a)	Group Special Access Line, each	$-

D. 20 kHz[3,4]

1. For use with WA3

(a)	20 kHz Special Access Line, each	-

[1] See 7.4.2 preceding for application of Special Access Service Surcharge.
[2] Rates and Charges based on individual cases will apply.
[3] See 7.4.2 preceding for application of Special Access Service Surcharge.
[4] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines (Cont'd)

E. 13 kHz[3,4]

1. For use with WA4

	Monthly Rate
(a) 13 kHz Special Access Line, each	-

F. 19.2 kbps[3,4]

1. For use with WD1

(a) 19.2 kbps Special Access Line, each	-

G. 50 kbps[3,4]

1. For use with WD2

(a) 50 kbps Special Access Line, each	-

H. 230.4 kbps[3,4]

1. For use with WD3

(a) 230.4 kbps Special Access Line, each	-

I. 56 kbps[3,4]

1. For use with WD4

(a) 56 kbps Special Access Line, each	-

J. **L.** DS1 - 1.544 Mbps[3]

1. For use with HC1

(a) DS1 1.544 Mbps Special Access Line, each	110.83

K. DS1C - 3.152 Mbps[3,4]

1. For use with HC1C

(a) DS1C 3.152 Mbps Special Access Line, each	-

L. DS2 - 6.312 Mbps[3,4]

1. For use with HC2

(a) DS2 6.312 Special Access Connection, each	-

M. DS3 - 44.736 Mbps[3,4]

1. For use with HC3

(a) DS3 44.736 Mbps Special Access Line, each	-

N. DS4 - 274.176 Mbps[3,4]

1. For use with HC4

(a) DS4 274.176 Mbps Special Access Line, each	-

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines (Cont'd)

O. Optional Feature

1. Hybrid

Provides conversion from four-wire SAL to two-wire termination at end user premises. Required to meet effective four-wire performance with a two-wire end user premises facility interface.

		Monthly Rate	Nonrecurring Charge
(a)	Hybrid, each	$-	$-

P. Special Access Service Surcharge[1]

1. Per voice equivalent channel (non DAL), billed to the IC

		Monthly Rate
(a)	each	$25.00

2. Per DAL, billed to the IC

(a)	each	-

22.4.5 Voice Grade Service

A. Channel Termination

1. Per Point of Termination

		Monthly Rate	Nonrecurring Charge
(a)	Two Wire	$33.12	$223.24
(b)	Four Wire	46.81	223.24

B. Channel Mileage

1. Mileage Facility

(a)	Per Mile	2.41	-

2. Mileage Terminal

(a)	Per Terminal	14.09	-

[1] See 7.4.2 preceding for application of Special Access Service Surcharge.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

C. Optional Features and Functions

1. Bridging

a. Two-Wire/Four-Wire

(1) Per Port

		Monthly Rate	Nonrecurring Charge
(a)	Two Wire	$4.33	$-
(b)	Four Wire	4.33	-

b. Data Bridging, Two-Wire/Four-Wire

(1) Per Port

(a)	Two Wire	4.33	-
(b)	Four Wire	4.33	-

c. Telephoto Bridging, Two-Wire/Four-Wire

(1) Per Port

(a)	Two Wire	4.33	-
(b)	Four Wire	4.33	-

d. Addressable Arrangement

(1) Per channel connected

(a)	Two Wire	25.80	-
(b)	Four Wire	131.35	-

e. Telemetry/Alarm Bridging Service (TABS) Bridging

(1) Per channel connected

(a)	Split Band	9.12	-
(b)	Summation	1.55	-
(c)	Passive	0.23	-

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

C. Optional Features and Functions (Cont'd)

2. Conditioning, Per Terminal

		Monthly Rate	Nonrecurring Charge
(a)	C Type	$6.45	$
(b)	Sealing Current	-	-

3. Improved Return Loss

(1) Per Terminal

(a)	Two Wire	1.91	-
(b)	Four Wire	1.91	-

4. Customer Specified Receive Level, Per Terminal

(a)	Two Wire		

5. Multiplexing, Voice to Telegraph

(a)	Per Arrangement	245.68	-

6. Data Capability

(a)	Per Terminal	1.44	247.03

7. Telephoto Conditioning

(a)	Per Terminal	3.19	247.03

8. Signaling Capability

(a)	Per Terminal	14.89	-

9. Selective Signaling Arrangement

(a)	Per Arrangement	15.92	-

10. Transfer Arrangement

(a)	Key Activated or Dial up, Per Four Port Arrangement	3.41	-

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

D. Public Packet Switching Network (PPSN)

		Monthly Rate	Nonrecurring Charge
1. Interface Arrangement			
(a)	Per Arrangement[1]	$-	$-

22.4.6 Digital Data Access Service

A. Channel Terminal

1. Per Terminal

		Monthly Rate	Nonrecurring Charge
(a)	2.4 Kbps	$105.97	$311.64
(b)	4.8 Kbps	105.97	311.64
(c)	9.6 Kbps	105.97	311.64
(d)	56.0 Kbps	105.97	311.64
B. Channel Mileage			
1. Facility, Per Mile			
(a)	2.4 Kbps	2.41	-
(b)	4.8 Kbps	2.41	-
(c)	.6 Kbps	2.41	-
(d)	56.0 Kbps	2.41	-
2. Terminal, Each			
(a)	2.4 Kbps	14.09	-
(b)	4.8 Kbps	14.09	-
(c)	9.6 Kbps	14.09	-
(d)	56.0 Kbps	14.09	-
C. Optional Features and Functions			
1. Bridging			
(a)	Per Port	26.93	-
2. Loop Transfer Arrangement (Key Activated or Dial-up)			
(a)	Per Four Port Arrangement	6.75	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.6 Digital Data Access Service (Cont'd)

D. Public Packet Switching Network (PPSN)

1. Interface Arrangement

		Monthly Rate	Nonrecurring Charge
(a)	Per 9.6 Kbps[1] Arrangement	$-	$-
(b)	Per 56.0 Kbps[1] Arrangement	-	-

E. Channel Service Unit

1. Per Terminal

(a)	2.4 Kbps	18.60	-
(b)	4.8 Kbps	19.88	-
(c)	9.6 Kbps	20.85	-
(d)	56.0 Kbps	21.73	-

22.4.7 High Capacity Service

A. Channel Terminal

1. Per Terminal

(a)	1.544 Mbps	271.17	381.10
(b)	3.152 Mbps[1]	-	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

B. Channel Mileage

1. Facility, Per Mile

(a)	1.544 Mbps	1.29	-
(b)	3.152 Mbps	31.91	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.7 High Capacity Service (Cont'd)

B. Channel Mileage (Cont'd)

2. Terminal, Each

		Monthly Rate	Nonrecurring Charge
(a)	1.544 Mbps	$17.77	$-
(b)	3.152 Mbps	178.15	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

C. Optional Features and Functions

1. Multiplexing

a. DS4 to DS1

(1) Per Arrangement

(a)	Each[1]	-	-
(b)	DS3 to DS1	-	-

(2) Per Arrangement

(a)	Each[1]	-	-

b. DS2 to DS1

(1) Per Arrangement

(a)	Each[1]	-	-

c. DS1C to DS1

(1) Per Arrangement

(a)	Each[1]	-	-

d. DS1 to Voice

(1) Per Arrangement

(a)	Each	360.44	-

e. DS1 to DS0

(1) Per Arrangement

(a)	Each	624.91	-

f. DS0 to Subrates

(1) Per Arrangement

(a)	Up to 20 2.4 Kbps services	511.06	-
(b)	Up to 10 4.8 Kbps services	263.41	-
(c)	Up to 5 9.6 Kbps services	183.12	-

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.7 High Capacity Service (Cont'd)

C. Optional Features and Functions (Cont'd)

2. Automatic Loop Transfer

(a)	Per Arrangement	440.03	-

3. Transfer Arrangement

(a)	Key Activated or Dial up, Per Four Port Arrangement	187.03	

4. Network Channel Terminating Equipment, Per Terminal

(a)	1.544 Mbps	96.02	-
(b)	Automatic Loop Transfer	1,013.35	-

22.4.8 Transfer of Service

A. Service Rearrangements

1. Special Access Circuits

		Nonrecurring Charge
(a)	Per Billing Account Number	$140.00
(b)	Per circuit	7.00

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges

22.5.1 Charges for Additional Engineering

1. Engineering Consultation and Engineering of Connections with other telephone companies (if not Concurring Carriers):

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic time, regularly scheduled work hours, Per Engineer	$66.00	$39.79
(b)	Overtime, outside of regularly scheduled work hours, Per Engineer	73.41	47.20

22.5.2 Charges for Additional Labor

A. The charges for additional labor are as follows:

1. Overtime Installation or Repair

(a)	Overtime, outside of regularly scheduled working hours on a scheduled work day,[1] Per Technician	29.31	3.10

2. Stand by, Testing and Maintenance with other telephone companies (if not Concurring Carriers) or Other Labor

(a)	Basic time, regularly scheduled working hours, per Technician	-	17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day[1], per Technician	-	21.01
(c)	Premium time, outside of scheduled work day[1], per Technician	-	24.12

[1] A call out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.2 Charges for Additional Labor (Cont'd)

A. (Cont'd)

3. Other Labor (or Testing and Maintenance with other telephone companies, if they are not Concurring carriers)

		First Half Hour Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic Time regularly scheduled working hours, per technician	$44.12	$17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day, [1] per technician	47.22	21.01
(c)	Premium Time, outside of scheduled work day,1 Per Technician	50.33	24.12

22.5.3 Maintenance of Services

A. The maintenance of service charges are as follows:

1. The charges for maintenance of service are as follows:

(a)	Basic time, regularly scheduled working hours, per technician	44.12	17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day, per technician[1]	47.22	21.01
(c)	Premium time, outside of scheduled work day, per technician[1]	50.33	24.12

22.5.4 Restoration Priority

		Nonrecurring Charge
(a)	Restoration Priority, per Service arranged	$104.02

[1] A call out of a Company employee at a time not consecutive with the employee's scheduled work period subject to a minimum charge of four hours.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.5 Presubscription

A. The nonrecurring charge for Presubscription is as follows:

1. Presubscription, per Telephone Exchange Service line or trunk

		Nonrecurring Charge
(a)	Each[1,2]	$5.00

22.5.6 Testing Service

1. Switched Access

a. Additional Cooperative Acceptance Testing

(1) Testing Rates, per technician

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic Time (Regularly scheduled work hours.)	$43.75	$17.54
(b)	Overtime (Outside regularly scheduled work hours on a scheduled work day.)	47.02	20.81
(c)	Premium Time (Outside scheduled work day.)[3]	50.29	24.08

b. Automatic Scheduled Testing (AST)

(1) To first point of switching, per test ordered, per year

		Monthly Rate
(a)	1004 Hz Loss[4,5,6] per transmission path	$0.06
(b)	C Message Noise [4,5,6] per transmission path	0.06
(c)	Return Loss (Balance) [4,5,6] per transmission path	0.06
(d)	Gain Slope4 per transmission path	0.06
(e)	C Notched Noise, per transmission path	0.06

[1] This charge is billed to the end user which is the subscriber to the telephone exchange service.
[2] This charge is billed when the pre-designated IC is an intrastate IC. If the IC is an interstate/intrastate carrier then this rate will apply in lieu of the same rate in the appropriate interstate tariff.
[3] A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.
[4] The IC may specify a more frequent schedule of tests, 60 days prior to the start of the IC prescribed schedule.
[5] These three test represent the minimum offering, i.e., an order for testing must at a minimum, consist of twelve 1004Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The additional test listed may be ordered by the IC at additional charges, 60 days prior to the start of the IC presubscribed schedule.
[6] Subject to a one year minimum contract period.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

1. Switched Access (Cont'd)

c. Cooperative Scheduled Testing (CST)

(1) To first point of switching, per test ordered, per year

		Monthly Rate
(a)	1004 Hz Loss,[4,5,6] per transmission path	$0.34
(b)	C Message Noise,[4,5,6] per transmission path	0.25
(c)	Return Loss (Balance), [4,5,6] per transmission path	0.55
(d)	Gain Slope, per transmission path	0.34
(e)	C Notched Noise, per transmission path	0.25

d. Manual Scheduled Testing (MST)

(1) To first point of switching, per test ordered, per year

(a)	1004 Hz Loss,[1,2,3] per transmission path	0.90
(b)	C Message Noise, [1,2,3] per transmission path	0.59
(c)	Return Loss (Balance), [1,2,3] per transmission path	1.20
(d)	Gain Slope, per transmission path	0.90
(e)	C Notched Noise, per transmission path	0.59

e. Nonscheduled Testing (NST)

(1) Cooperative Testing:

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic, regularly scheduled work hours, per technician	$43.75	$17.54
(b)	Overtime, outside regularly scheduled work hours on a scheduled work day, per technician	47.02	20.81
(c)	Premium, outside scheduled work day, per technician[4]	50.29	24.08

[1] The IC may specify a more frequent schedule of tests, 60 days prior to the start of the IC prescribed schedule.
[2] These three test represent the minimum offering, i.e., an order for testing must at a minimum, consist of twelve 1004Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The additional test listed may be ordered by the IC at additional charges, 60 days prior to the start of the IC presubscribed schedule.
[3] Subject to a one year minimum contract period.
[4] A call-out of a Company employee at a time no consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

1. Switched Access (Cont'd)
   e. Nonscheduled Testing (NST) (Cont'd)
      (2) Manual Testing

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic, regularly scheduled work hours, per technician	43.93	17.72
(b)	Overtime, outside regularly scheduled work hours on a scheduled work day, per technician	47.12	20.91
(c)	Premium, outside scheduled work day, per technician[1]	50.31	24.10

      (3) Automatic Testing, to first point of switching, per test performed:

		Rate
(a)	1004 Hz Loss	$12.44
(b)	C Message Noise	12.44
(c)	Return Loss (Balance)	12.44
(d)	Gain Slope	12.44
(e)	C Notched Noise	12.44

2. Special Access
   a. Additional Cooperative Acceptance Testing (ACAT)
      (1) Applies to the following tests:

VG1 through 3: Attenuation Distortion, C-Message Noise and Balance (Return Loss)

VG6 through 12: Attenuation Distortion, C-Message Noise, Balance (Return Loss), Impulse Noise, Phase Jitter, Intermodulation Distortion, Envelope Delay Distortion and Frequency Shift

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic time, regularly scheduled work hours, per technician	$44.12	$17.91

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

(b)	Overtime, outside or regularly scheduled work hours on a scheduled work day, per technician	47.22	21.01
(c)	Premium time, outside of scheduled work day, per technician1	50.33	24.12

b. Nonscheduled Testing (NST)

(1) Testing Rates, per technician

(a)	Basic time (Regularly scheduled work hours)	44.12	17.91
(b)	Overtime (Outside regularly scheduled work hours on a scheduled work day)	47.22	21.01
(c)	Premium time (Outside scheduled work day)[1]	50.33	24.12

22.5.7 Equal Access Subscription

A. The nonrecurring charges for a change in IntraLATA Subscription are as follows:

1. Subscription change when not performed simultaneously with interLATA PIC change to the same carrier, per line or trunk

		Nonrecurring Charge
(a)	billed to the end user or pay telephone location provider or its authorized agent	$5.00
(b)	billed to the end user or pay telephone location provider or its authorized agent	1.25

2. Subscription change when performed simultaneously with the interLATA PIC change to the same carrier, per line or trunk

(a)	billed to the end user or pay telephone location provider or its authorized agent	5.00
(b)	billed to the end user or pay telephone location provider or its authorized agent	0.62

[1] A call-out of a Company employee at a time no consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.7 Equal Access Subcription (Cont'd)

B. The nonrecurring charge for an unauthorized change in IntraLATA Subscription is as follows:

1. Unauthorized Subscription Change

(a)	per business or residence line or trunk[1]	19.41
(b)	billed to the end user or pay telephone location provider or its authorized agent	0.62

[1] If an unauthorized change in IntraLATA and InterLATA Subscription occurs at the same time, on the same Business, Residence line or trunk, and the Subscribed IC is the same IC for IntraLATA and InterLATA Subscription, the IC will be assessed one unauthorized Subscription charge as provided in the National Exchange Carrier Association's Tariff FCC No. 5, Section 17.4.4. In addition, the IC will be assessed the applicable PIC change charge for returning the end user or location provider or its authorized agent to their preferred intraLATA subscribed IC as provided in 22.5.7.A. preceding. Additionally, the applicable PIC change charge, as provided in National Exchange Carrier Association's Tariff FCC No. 5, Section 17.4.4 will be assessed to the IC to return the end user or location provider or its authorized agent to their previous authorized carrier.

22. RATES AND CHARGES – Surry Telephone Membership Corporation

22.6 IntraLATA Toll Originating Responsibility Plan (ITORP)

A. Access compensation rates, IntraLATA toll DA and Billing and Collection rates are specified following. For other applicable access charges, refer to the intrastate switched access charges specified in the applicable Access Tariff on file for the terminating LEC.

1. IntraLATA Toll

		Rate
(a)	Directory Assistance, per call	$0.5000
(b)	Billing and Collection, per message	0.0666

B. Network Compensation Rates

(a)	Rates Per Minute of Use	0.0045

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

All rates set forth in this section are applicable to Intrastate Originating Switched Access Services and Intrastate Special Access Services. Rates, terms and conditions applicable to Intrastate Terminating Switched Access Services can be found in NECA Tariff No. 5.

22.1 Carrier Common Line Access

A. The rate for Intrastate Carrier Common Line Access is:

1. Carrier Common Line Charge

a. Originating Access Minutes

(a) Per Minute $-

22.2 Ordering Options for Switched Access and Special Access Service

		Nonrecurring Charge
(1)	Service Date Change	
(a)	Service Date Change Charge, per Order	$26.21
(2)	Other Modification Change	
(a)	Per Order	26.21
(3)	Planned Facilities Order Modification Charge	
(a)	Per Order	26.21

22.3 Switched Access Service

22.3.1 Minimum Monthly Usage Charge (MMUC)

A. The Minimum Monthly Usage Charge (the minimum transport charge) varies by mileage band and capacity.

The MMUC is as follows:

Mileage Bands		Minimum Transport Charge per BHMC[1]
(a)	0 to 1	$0.3300
(b)	Over 1 to 8	0.7575
(c)	Over 8 to 16	0.8775
(d)	Over 16 to 25	0.9450
(e)	Over 25 to 50	1.5225
(f)	Over 50 to 100	2.1225
(g)	Over 100	3.3975

[1] BHMC is the Access Connections busy hour minutes of capacity provided to the end office.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.2 Access Connections

A. Installation of New Service

1. Feature Group A

		Nonrecurring Charge
(a)	Per First Line	$640.00
(b)	Each Additional Line	135.00

2. Feature Groups B, C and D

(a)	Per First Trunk or Signaling Connection	915.00
(b)	Each Additional Trunk or Signaling Connection	272.00

3. Interface Groups

(a)	Group 1, Two-Wire path with Loop signaling	-
(b)	Group 2, Four-Wire path with Loop signaling	-
(c)	Group 6, DS1 level path with Bit Stream signaling	-
(d)	Group 7, DS1C level path with Bit Stream signaling	-
(e)	Group 8, DS2 level path with Bit Stream signaling	-
(f)	Group 9, DS3 level path with Bit Stream signaling	-
(g)	Group 10, DS4 level path with Bit Stream signaling	-

B. Interface Group Non-chargeable Optional Features

1. Supervisory Signaling

a. DX Supervisory Signaling arrangement
Per Transmission Path[1]

b. SF Supervisory Signaling arrangement
Per Transmission Path[2]

c. E&M Type I Supervisory Signaling arrangement
Per Transmission Path[1]

d. E&M Type II Supervisory Signaling arrangement
Per Transmission Path

e. E&M Type III Supervisory Signaling arrangement
Per Transmission Path[3]

[1] Available with Interface Groups 1 and 2.
[2] Available with Interface Groups 2 and 6 and 7
[3] Available with Interface Group 2 for FGC and FGD.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.2 Access Connections (Cont'd)

B. Interface Group Non-chargeable Optional Features (Cont'd)

1. Supervisory Signaling (Cont'd)

   f. Tandem Supervisory Signaling arrangement

   Per Transmission Path[1]

2. IC Specified Entry Switch Receive Level

   a. IC specification of the receive transmission level at the first point of switching within a range acceptable to the Company[2]

   Per Transmission Path

C. Network Blocking Charge, applies to FGD only.

	Rate
(a) Per call blocked	$0.0076

22.3.3 RESERVED FOR FUTURE USE

22.3.4 End Office

A. 800 Access Service

1. IC Identification Charge

(a) Per 100 calls[3]	-

22.3.5 800 Access Ten Digit Screening Service

A. 800 Access Ten Digit Screening Service

1. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with 800 Number Delivery	
(a) Per Query	0.0079
2. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with 800 Number Delivery for 800 Numbers with Optional Complex Feature, i.e., Call Handling and Destination Features	
(a) Per Query	-
3. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with POTS Number Delivery	
(a) Per Query	-
4. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with POTS Number Delivery for 800 Numbers with Optional Complex Feature, i.e., Call Handling and Destination Features	
(a) Per Query	-

[1] Available with Interface Group 2 for FGA.
[2] Available with Interface Groups 2 through 7 for FGA and FGB.
[3] The rate for the 800 Access Service (NXX Plan) is subject to change upon the approval of the 800 Access Service Data Base Plan.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.6 Service Rearrangements

			Rate
A.	Change of Service		
	1. Submitted on the Same ASR[1]		
	(a)	Per Request	$92.00
B.	Feature Group A		
	1. Line Side Service		
	(a)	Per transmission path[2]	10.00
C.	Feature Groups B, C and D		
	1. Trunk Side Service		
	(a)	Per transmission path[2]	5.00
D.	Common Block		
	1. Translations Related		
	(a)	Per End Office and Tandem Office Affected[2]	90.00
E.	500 Access Service		
	1. Change in dialing capability		
	(a)	Per NXX Per End Office and Tandem Office affected[2]	15.00

22.3.7 Transfer of Service

A.	Transfer of Service		
	1. Billing Account Number		
	(a)	Each	170.00
B.	Feature Group A		
	1. Line Side Service		
	(a)	Per Transmission Path[3]	7.00
C.	Feature Groups B, C and D		
	1. Trunk Side Service		
	(a)	Per Transmission Path[3]	8.00

[1] Services requested on multiple ASRs will be treated as one request when requirements, as specified in 6.1.7, are met.
[2] This charge is in addition to that set forth in 22.3.6.A.
[3] This charge is in addition to that set forth in 22.3.7.A.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.8 500 Access Service

A. 500 Access Service

1. 500 Customer Identification

		Rate
(a)	Per Call	$0.01

2. Service Activation Charge - Per Company End Office Switch or Access Tandem in which translations are required

		Nonrecurring Charge
(a)	First NXX Code Submitted on ASR	$40.00
(b)	Additional NXX Code submitted on ASR	20.00
(c)		

22.3.9 RESERVED FOR FUTURE USE

22.3.10 End Office

1. Local Switching

(a)	Per Originating Access Minute	0.03520

2. Directory Assistance Information Surcharge

(a)	Per 100 Access Minutes	0.02900

22.3.11 Tandem Transport

1. Tandem Switched Facility

(a)	Per Originating Access Minute Per Mile	0.000269

2. Tandem Switched Termination

(a)	Per Originating Access Minute per Termination	0.004202

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services

22.4.1 Access Connections

A. Two-Wire Access Connections

1. For use with NB1-5, VG1-12 and AP1-4

		Monthly Rate
(a)	Each Two Wire Access Connection	$1.40

B. Four-Wire Access Connections

1. For use with NB4-5, VG1-12 and DA1-4 with DU facility interface.

(a)	Each Four Wire Access Connection	2.80

C. Group Access Connections[1]

1. For use with WA1

(a)	Each group Access Connection	-

D. 20 kHz Access Connection[1]

1. For use with WA3

(a)	Each 20 kHz Access Connection	-

E. 13 kHz Access Connections[1]

1. For use with WA4

(a)	Each 13 kHz Access Connection	-

F. 19.2 kbps Access Connections[1]

1. For use with WD1

(a)	Each 19.2 kbps Access Connection	-

G. 50 kbps Access Connections[1]

1. For use with WD2

(a)	Each 50 kbps Access Connection	-

H. 230.4 kbps Access Connections[1]

1. For use with WD3

(a)	each 230.4 kbps Access Connection	-

[1] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.1 Access Connections (Cont'd)

I. 56 kbps Access Connections[1]

	Monthly Rate
1. For use with WD4	
(a) Each 56 kbps Access Connection	$-
J. DS1 - 1.544 Mbps Access Connections	
1. For use with HC1	
(a) Each DS1 Access Connection	36.00
K. DS1C - 3.152 Mbps Access Connections[1]	
1. For use with HC1C	
(a) Each DS1C Access Connection	-
L. DS2 - 6.312 Mbps Access Connections[1]	
1. For use with HC2	
(a) Each DS2 Access Connection	-
M. DS3 - 44.736 Mbps Access Connections[1]	
1. For use with HC3	
(a) Each DS3 Access Connection	-
N. DS4 - 276.176 Mbps Access Connections[1]	
1. For use with HC4	
(a) Each DS4 Access Connection	-

[1] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport

A. Mileage measured between IC serving wire center to Hub, IC serving wire center to End User serving wire center or Hub to End User serving wire center.

1. For method of determining mileage, see 7.4.5 and 10.

a. Fixed and Mileage Charges applicable

(1) Two-wire metallic (for use with NB1-3)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$-	$6.40
(b)	Over 4 to 8 Miles, per mile	.80	6.40
(c)	Over8 to 16 Miles, per mile	.80	6.40
(d)	Over 16 to 25 Miles, per mile	.80	6.40
(e)	Over 25 to 50, per mile	.80	6.40
(f)	Over 50 to Miles, per mile	.80	6.40
(g)	Over 100 Miles, per mile	.80	6.40

(2) 75 Baud (for use with NB4)

(a)	0 to 4 Milesper mile	-	5.45
(b)	Over 4 to 8 Miles, per mile	2.50	4.05
(c)	Over 8 to 16 Miles, per mile	11.95	2.65
(d)	Over 16 to 25 Miles, per mile	21.40	2.00
(e)	Over 25 to 50 Miles, per mile	39.50	1.25
(f)	Over 50 to 100 Miles, per mile	40.20	1.25
(g)	Over 100 Miles, per mile	40.20	1.25

(3) 150 Baud (for use with NB5)

(a)	0 to 4 Miles, per mile	-	5.45
(b)	Over 4 to 8 Miles, per mile	2.50	4.05
(c)	Over 8 to 16 Miles, per mile	11.95	2.65
(d)	Over 16 to 25 Miles, per mile	21.40	2.00
(e)	Over 25 to 50 Miles, per mile	39.50	1.25
(f)	Over 50 to 100 Miles, per mile	40.20	1.25
(g)	Over 100 Miles, per mile	47.70	1.25

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. For method of determining mileage, see 7.4.5 and 10. (Cont'd)

a. Fixed and Mileage Charges applicable (Cont'd)

(4) Two-Wire/Four-Wire Voice (for use with VG1-12 and interLATA only Dedicated Access Line Service)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$-	$8.09
(b)	Over 4 to 8 Miles, per mile	8.26	6.00
(c)	Over 8 to 16 Miles, per mile	25.75	3.82
(d)	Over 16 to 25 Miles, per mile	61.44	1.63
(e)	Over 25 to 50 Miles, per mile	61.44	1.63
(f)	Over 50 to 100 Miles, per mile	79.33	1.27
(g)	Over 100 Miles, per mile	79.33	1.27
(5)	3.5 kHz Audio (for use with AP1)		
(a)	0 to 4 Miles, per mile	-	6.45
(b)	Over 4 to 8 Miles, per mile	2.50	6.45
(c)	Over 8 to 16 Miles, per mile	2.50	6.45
(d)	Over 16 to 25 Miles, per mile	2.50	6.45
(e)	Over 25 to 50 Miles, per mile	2.50	6.45
(f)	Over 50 to 100 Miles, per mile	2.50	6.45
(g)	Over 100 Miles, per mile	2.50	6.45
(6)	5 kHz Audio (for use with AP2)		
(a)	0 to 4 Miles, per mile	-	6.45
(b)	Over 4 to 8 Miles, per mile	7.50	6.45
(c)	Over 8 to 16 Miles, per mile	7.50	6.45
(d)	Over 16 to 25 Miles, per mile	7.50	6.45
(e)	Over 25 to 50 Miles, per mile	7.50	6.45
(f)	Over 50 to 100 Miles, per mile	7.50	6.45
(g)	Over 100 Miles, per mile	7.50	6.45

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. For method of determining mileage, see 7.4.5 and 10. (Cont'd)
   a. Fixed and Mileage Charges applicable (Cont'd)

(7)	8 kHz Audio (for use with AP3)		
(a)	0 to 4 Miles, per mile	$-	$6.45
(b)	Over 4 to 8 Miles, per mile	6.90	6.45
(c)	Over 8 to 16 Miles, per mile	6.90	6.45
(d)	Over 16 to 25 Miles, per mile	6.90	6.45
(e)	Over 25 to 50 Miles, per mile	6.90	6.45
(f)	Over 50 to 100 Miles, per mile	6.90	6.45
(g)	Over 100 Miles, per mile	6.90	6.45
(8)	15 khz Audio (for use with AP4)[1]		
(a)	0 to 4 Miles, per mile	-	-
(b)	Over 4 to 8 Miles, per mile	-	-
(c)	Over 8 to 16 Miles, per mile	-	-
(d)	Over 16 to 25 Miles, per mile	-	-
(e)	Over 25 to 50 Miles, per mile	-	-
(f)	Over 50 to 100 Miles, per mile	-	-
(g)	Over 100 Miles, per mile	-	-
(9)	Group (for use with WA1 and WA1T),[2]		
(10)	20 kHz (for use with WA3)[1]		
(11)	13 kHz (for use with WA4)[1]		
(12)	19.2 kbps (for use with WD1)[1]		
(13)	50.0 kbps (for use with WD2)[1]		
(14)	230.4 kbps (for use with WD3)[1]		
(15)	56.0 kbps (for use with WD4)[1]		

[1] Rates and Charges based on individual cases will apply.
[2] For WA1T, two are required

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. For method of determining mileage, see 7.4.5 and 10. (Cont'd)
   a. Fixed and Mileage Charges applicable (Cont'd)

(16) Digital Data 1 (for use with DA1)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$143.70	$-
(b)	Over 4 to 8 Miles, per mile	184.00	2.30
(c)	Over 8 to 16 Miles, per mile	184.00	2.30
(d)	Over 16 to 25 Miles, per mile	184.00	2.30
(e)	Over 25 to 50 Miles, per mile	184.00	2.30
(f)	Over 50 to 100 Miles, per mile	184.00	2.30
(g)	Over 100 Miles, per mile	184.00	2.30

(17) Digital Data 2 (for use with DA2)

(a)	0 to 4 Miles, per mile	151.05	-
(b)	Over 4 to 8 Miles, per mile	193.30	2.80
(c)	Over 8 to 16 Miles, per mile	193.30	2.80
(d)	Over 16 to 25 Miles, per mile	193.30	2.80
(e)	Over 25 to 50 Miles, per mile	193.30	2.80
(f)	Over 50 to 100 Miles, per mile	193.30	2.80
(g)	Over 100 Miles, per mile	193.30	2.80

(18) Digital Data 3 (for use with DA3)

(a)	0 to 4 Miles, per mile	182.80	-
(b)	Over 4 to 8 Miles, per mile	212.15	3.10
(c)	Over 8 to 16 Miles, per mile	212.15	3.10
(d)	Over 16 to 25 Miles, per mile	212.15	3.10
(e)	Over 25 to 50 Miles, per mile	212.15	3.10
(f)	Over 50 to 100 Miles, per mile	212.15	3.10
(g)	Over 100 Miles, per mile	212.15	3.10

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport (Cont'd)

A. (Cont'd)

1. For method of determining mileage, see 7.4.5 and 10. (Cont'd)
   a. Fixed and Mileage Charges applicable (Cont'd)
      (19) Digital Data 4 (for use with DA4)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$384.80	$-
(b)	Over 4 to 8 Miles, per mile	360.05	8.00
(c)	Over 8 to 16 Miles, per mile	360.05	8.00
(d)	Over 16 to 25 Miles, per mile	360.05	8.00
(e)	Over 25 to 50 Miles, per mile	360.05	8.00
(f)	Over 50 to 100 Miles, per mile	360.05	8.00
(g)	Over 100 Miles, per mile	360.05	8.00

(20) DS1 - 1.544 Mbps (for use with HC1[1] and interLATA only Dedicated Access Line Service)

(a)	0 to 4 Miles, per mile	26.85	30.00
(b)	Over 4 to 8 Miles, per mile	26.85	30.00
(c)	Over 8 to 16 Miles, per mile	26.85	30.00
(d)	Over 16 to 25 Miles, per mile	26.85	30.00
(e)	Over 25 to 50 Miles, per mile	26.85	30.00
(f)	Over 50 to 100 Miles, per mile	26.85	30.00
(g)	Over 100 Miles, per mile	26.85	30.00

(21) DS1C - 3.152 Mbps (for use with HC1C[1])

(22) DS2 - 6.312 Mbps (for use with HC2[1])

(23) DS3 - 44.736 Mbps (for use with HC3[1])

(24) DS4 - 274.176 Mbps (for use with HC4[1])

[1] Additional applications are obtainable through the use of suitable multiplexing at the Hub.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions

A. Facility Interface Combinations

1. Narrowband Services

Facility Interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(a)	DC/DC (NB1, 2 and 3)	$-	$123.00	$46.00
(b)	TT/TT (NB4)	3.85	268.50	169.50
(c)	DB 10/TT (NB4)	3.85	268.50	169.50
(d)	DB 10/IA (NB5)	6.00	268.50	169.50
(e)	AH/DC[1] (NB2)	-	123.00	46.00
(f)	AH/TT[1] (NB4)	3.85	268.50	169.50
(g)	AH/IA[1] (NB5)	6.00	268.50	169.50
(h)	DS/DC[2] (NB2)	-	123.00	46.00
(i)	DS/TT[2] (NB4)	3.85	268.50	169.50
(j)	DS/IA[2] (NB5)	6.00	268.50	169.50

2. Voice Grade Services

Facility interfaces are specified in the order of IC/End User

(a)	AB/AC (VG2)	.65	147.00	44.00
(b)	AB/SF (VG2)	-	141.50	38.50
(c)	AH/AC (VG2)[3,4]	.65	147.00	44.00
(d)	AH/DA (VG5, 6, 10 & 12)[4]	-	141.50	38.50
(e)	AH/DE (VG5)[4]	-	141.50	38.50
(f)	AH/DX (VG9)[4]	-	141.50	38.50
(g)	AH/DY (VG3, 7, & 8)[4]	-	141.50	38.50
(h)	AH/EA (VG3, 7, 8, & 9)[5]	2.75	160.50	57.50

[1] Requires intermediate DS1 to Voice multiplexor.
[2] Requires intermediate multiplexing.
[3] Requires intermediate DS1 to Voice multiplexor.
[4] Requires intermediate Group to Voice multiplexor.
[5] Requires intermediate Group to Voice multiplexor

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(i)	AH/EB (VG3, 7, 8, & 9)[5]	$2.75	$160.50	$57.50
(j)	AH/GO (VG1)	-	141.50	38.50
(k)	AH/GS (VG1, 3, & 7)[5]	-	141.50	38.50
(l)	AH/LA (VG2 & 7)[5]	2.60	156.50	53.50
(m)	AH/LB (VG2 & 7)[5]	1.75	151.00	48.00
(n)	AH/LC (VG2 & 7)[5]	.20	143.00	40.00
(o)	AH/LO (VG1, 2 & 7)[5]	-	141.50	38.50
(p)	AH/LR (VG2)[5]	3.70	156.50	53.50
(q)	AH/LS (VG1, 2, 5, 6, 7, 9, 10, & 12)[5]	-	141.50	38.50
(r)	AH/NO (VG1, 2, 5, 6, 7, & 9)[5]	-	141.50	38.50
(s)	AH/RV (VG3, & 7)[5]	-	141.50	38.50
(t)	AH/SF (VG2, 3, 7, 8 & 9)	-	141.50	38.50
(u)	AH/TF (VG11)[5]	-	141.50	38.50
(v)	DA/DA (VG10)	-	141.50	38.50
(w)	DB/DA (VG6, 10 & 12)	-	141.50	38.50
(x)	DB/NO (VG6)	-	141.50	38.50
(y)	DD/DE (VG5)	-	141.50	38.50
(z)	DS/AC (VG2)[5]	.65	147.00	44.00

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(aa)	DS/DA (VG5, 6, 10 & 12) 1	$141.50	$38.50	$-
(bb)	DS/DE (VG5) [1]	-	141.50	38.50
(cc)	DS/DX (VG9) [1]	-	141.50	38.50
(dd)	DS/DY (VG3, 7, & 8) [1]	-	141.50	38.50
(ee)	DS/EA (VG3, 7, 8, & 9) [1]	2.75	160.50	57.50
(ff)	DS/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(gg)	DS/GO (VG1)[1]	-	141.50	38.50
(hh)	DS/GS (VG1, 3, & 7)[1]	-	141.50	38.50
(ii)	DS/LA (VG2 & 7)[1]	2.60	156.50	53.50
(jj)	DS/LB (VG2 & 7)[1]	1.75	151.00	48.00
(kk)	DS/LC (VG2 & 7)[1]	.20	143.00	40.00
(ll)	DS/LO (VG1, 2, & 7)[1]	-	141.50	38.50
(mm)	DS/LR (VG2)[1]	3.70	156.50	53.50
(nn)	DS/LS (VG2, 2, 3, 7, & 8)[1]	-	141.50	38.50
(oo)	DS/NO (VG1, 2, 5, 6, 7, & 9)[1]	-	141.50	38.50
(pp)	DS/RV (VG3 & 7)[1]	-	141.50	38.50

[1] Requires intermediate DS1 to Voice multiplexor.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(qq)	DS/SF (VG2, 3, 7, 8 & 9)[1]	$-	$141.50	$38.50
(rr)	DS/TF (VG11)[1]	-	141.50	-
(ss)	DX/DX (VG9)	-	-	38.50
(tt)	DX/DY (VG3, 7, & 8)	-	141.50	38.50
(uu)	DX/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(vv)	DX/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(ww)	DX/LA (VG2 & 7)	2.60	156.50	53.50
(xx)	DX/LB (VG2 & 7)	1.75	151.00	48.00
(yy)	DX/LC (VG2 & 7)	.20	143.00	40.00
(zz)	DX/LO (VG2 & 7)	-	141.50	38.50
(aaa)	DX/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(bbb)	DX/RV (VG3 & 7)	-	141.50	38.50
(ccc)	DX/SF (VG2, 3, 7, 8, & 9)	-	141.50	38.50
(ddd)	EA/AC (VG2)	65	147.00	44.00
(eee)	EA/DX (VG9)	-	141.50	38.50
(fff)	EA/DY (VG3, 7, & 8)	-	141.50	38.50
(ggg)	EA/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(hhh)	EA/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(iii)	EA/LA (VG2 & 7)	2.60	156.50	53.50
(jjj)	EA/LB (VG2 & 7)	1.75	151.00	48.00
(kkk)	EA/LC (VG2 & 7)	.20	143.00	40.00
(lll)	EA/LO (VG2 &7)	-	141.50	38.50
(mmm)	EA/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(nnn)	EA/RV (VG3 & 7)	-	141.50	38.50
(ooo)	EA/SF (VG2, 3, 7, 8 & 9)	-	141.50	38.50
(ppp)	EB/AC (VG2)	.65	147.00	44.00
(qqq)	EB/DX (VG9)	-	141.50	38.50
(rrr)	EB/DY (VG3, 7, & 8)	-	141.50	38.50
(sss)	EB/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(ttt)	EB/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(uuu)	EB/LA (VG2 & 7)	2.60	156.50	53.50
(vvv)	EB/LB (VG2 & 7)	1.75	151.00	48.00
(www)	EB/LC (VG2 & 7)	.20	143.00	40.00
(xxx)	EB/LO (VG2 & 7)	-	141.50	38.50
(yyy)	EB/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(zzz)	EB/RV (VG3 & 7)	-	141.50	38.50

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(aaaa)	EB/SF (VG2, 3, 7, 8, & 9)	$-	$141.50	$38.50
(bbbb)	EC/DY (VG3, 7, & 8)	-	141.50	38.50
(cccc)	EC/EA (VG3, 7, & 8)	2.75	160.50	57.50
(dddd)	EC/EB (VG3, 7, & 8)	2.75	160.50	57.50
(eeee)	EC/SF (VG3, 7 & 8)	-	141.50	38.50
(ffff)	EX/GS (VG3 & 7)	-	141.50	38.50
(gggg)	EX/LA (VG2 & 7)	2.60	156.50	53.50
(hhhh)	EX/LB (VG2 & 7)	1.75	151.00	48.00
(iiii)	EX/LC (VG2 & 7)	-	143.00	40.00
(jjjj)	EX/LO (VG1, 2, & 7)	-	141.50	38.50
(kkkk)	EX/LR (VG2)	3.70	156.50	53.50
(llll)	EX/LS (VG1, 2, 3, & 7)	-	141.50	38.50
(mmmm)	EX/SF (VG1, 3, & 7)		141.50	38.50
(nnnn)	GO/GS (VG1, 3, & 7)	-	141.50	38.50
(oooo)	GO/SF (VG3 & 7)	-	141.50	38.50

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(pppp)	GS/GO (VG1)	$-	$141.50	$38.50
(qqqq)	LO/LS (VG1, 2, 3, 7, & 8)	-	141.50	38.50
(rrrr)	LO/SF (VG2, 3, & 7)	-	141.50	38.50
(ssss)	LR/LR (VG2)	3.70	156.50	53.50
(tttt)	LR/SF (VG2)	-	141.50	
(uuuu)	LS/LA (VG2 & 7)	2.60	156.50	53.50
(vvvv)	LS/LB (VG2 & 7)	1.75	151.00	48.00
(wwww)	LS/LC (VG2 & 7)	.20	143.00	40.00
(xxxx)	LS/LO (VG1, 2, & 7)	-	141.50	38.50
(yyyy)	LS/SF (VG2)	-	141.50	38.50
(zzzz)	NO/DA (VG6, 10, & 12)	-	141.50	38.50
(aaaaa)	NO/NO (VG1, 2, 5, 6, 7, & 9)	-	141.50	38.50
(bbbbb)	RV/RV (VG3 & 7)	-	141.50	38.50
(ccccc)	RV/SF (VG3 & 7)	-	141.50	38.50
(ddddd)	SF/AC (VG2)	.65	147.00	44.00
(eeeee)	SF/DX (VG9)	-	141.50	38.50
(fffff)	SF/DY (VG3, 7, & 8)	-	141.50	38.50

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(ggggg)	SF/EA (VG3, 7, 8, & 9)	$2.75	$160.50	$57.50
(hhhhh)	SF/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(iiiii)	SF/GS (VG1, 3, & 7)	-	141.50	38.50
(jjjjj)	SF/LA (VG2, & 7)	$2.60	$156.50	$53.50
(kkkkk)	SF/LB (VG2 & 7)	1.75	151.00	48.00
(llll)	SF/LC (VG2 & 7)	.20	143.00	40.00
(mmmmm)	SF/LO (VG1 & 2)		141.50	38.50
(nnnnn)	SF/LR (VG2)	3.70	156.50	53.50
(ooooo)	SF/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(ppppp)	SF/RV (VG3 & 7)	-	141.50	38.50
(qqqqq)	SF/SF (VG2, 3, 7, 8, & 9)	-	141.50	38.50
(rrrrr)	TF/TF (VG11)	-	141.50	38.50

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

3. Wideband Analog Services[1]

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
Facility Interfaces are specified in the order of IC/End User				
(a)	AH D/AH B (WA1)	$-	$-	$-
(b)	AH C/AH B (WA1)	-	-	-
(c)	AH B/AH B (WA1)	-	-	-
(d)	AH C/AH C (WA2)	-	-	-
(e)	AH D/AH C (WA2)	-	-	-
(f)	AH D/AH D (WA2A)	-	-	-
(g)	WD 1/WA 1 (WA3)	-	-	-
(h)	WD 2/WA 1 (WA3)	-	-	-
(i)	WD 3/WA 2 (WA4)	-	-	-

4. Wideband Digital Services[2]

Facility Interfaces are specified in the order of IC/End User				
(a)	WB 19S/WC 19 (WD1)	-	-	-
(b)	WB 18S/WC 18 (WD1)	-	-	-
(c)	WB 19A/WC 19 (WD1)	-	-	-
(d)	WB 50S/WC 50 (WD2)	-	-	-
(e)	WB 40S/WC 40 (WD2)	-	-	-
(f)	WB 50A/WC 50 (WD2)	-	-	-
(g)	WB 23S/WC 23S (WD3)	-	-	-
(h)	WB 23A/WC 23 (WD3)	-	-	-
(i)	WB 64/DU 56 (WD4)	-	-	-
(j)	DO/DU 56 (WD4)	-	-	-

[1] Wideband Analog Services will be rated and provided on an individual case basis.
[2] Wideband Digital Services will be rated and provided on an individual case basis.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

5. Digital Data Access Services

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
Facility Interfaces are specified in the order of IC/End User				
(a)	DU 24/DU 24 (DA1)	$-	$180.00	$61.00
(b)	DS/DU 24[1] (DA1)	-	180.00	61.00
(c)	DU 48/DU 48 (DA2)	-	180.00	58.00
(d)	DS/DU 48[1] (DA2)	-	180.00	58.00
(e)	DU 96/DU 96 (DA3)	-	195.00	76.00
(f)	DS/DU96[1] (DA3)	-	195.00	76.00
(g)	DU 56/DU 56 (DA4)	-	210.00	90.00
(h)	DS/DU 56[2] (DA4)	-	$210.00	$90.00

6. High Capacity Services

Facility Interfaces are specified in the order IC/End User				
(a)	DS 15/DU (HC1)	24.10	287.93	162.00
(b)	DS 31/DS 31 (HC1C)[3]	-	-	-
(c)	DS 31/DS 15 (HC1C)[2]	-	-	-
(d)	DS 63/DS 63 (HC2)[2,4]	-	-	-
(e)	DS 63/DS 15 (HC2)	-	-	-
(f)	DS 44/DS 44 (HC3)[2,3]	-	-	-
(g)	DS 44/DS 15 (HC3)[2]	-	-	-
(h)	DS 27/DS 27 (HC4)[2,3]	-	-	-
(i)	DS 27/DS 15 (HC4)[2]	-	-	-

[1] Digital Data Carrier Multiplexing Equipment is required.
[2] Digital Data Carrier Multiplexing Equipment is required.
[3] Rates and Charges based on individual case will apply.
[4] Available only from an IC terminal location to another IC terminal location or to a Hub.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

B. Voice Grade Performance

1. Performance, Per two-point service or each section (i.e., midlink or end link) of a multipoint service.

		Monthly Rate	Nonrecurring Charge (To Install Service) First Service	Nonrecurring Charge (To Install Service) Each Additional Identical Service
(a)	VG1	$7.35	$53.00	$53.00
(b)	VG2	19.30	68.00	68.00
(c)	VG3	-	-	-
(d)	VG5	12.85	56.00	56.00
(e)	VG6	27.70	105.00	105.00
(f)	VG7	19.30	68.00	68.00
(g)	VG8	19.30	68.00	68.00
(h)	VG9	19.50	105.00	105.00
(i)	VG10	20.45	105.00	105.00
(j)	VG11	7.35	53.00	53.00
(k)	VG12	7.35	53.00	53.00

C. Hub Functions

1. Multiplexing

a. DS4 to DS1 arrangement

(1) An arrangement that provides a 274.176 Mbps capacity to multiplex, on a digital time division basis, 168 DS1 channels. (available with HC4)

		Monthly Rate	Nonrecurring Charge
(a)	Per arrangement	$2,815.56	$1,465.73

b. DS3 to DS1 arrangement

(1) An arrangement that provides a 44.736 Mbps capacity to multiplex, on a digital time division basis, 28 DS1 channels. (available with HC3)

(a)	Per arrangement	299.92	370.68

c. DS2 to DS1 arrangement

(1) An arrangement that provides a 6.312 Mbps capacity to multiplex, on a digital time division basis, four DS1 channels. (available with HC2)

(a)	Per arrangement	99.92	182.96

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

1. Multiplexing (Cont'd)

d. DS1C to DS1 arrangement

(1) An arrangement that provides a 3.152 Mbps capacity to multiplex, on a digital time division basis, two DS1 channels. (available with HC1C)

		Monthly Rate	Nonrecurring Charge
(a)	Per arrangement	$20.69	$167.32

e. Group to DS1 arrangement[1]

(1) An arrangement that provides two group capacities (i.e., WA1T) to multiplex to a DS1 level. (Available with WA1T)

(a)	Per arrangement	-	-

f. DS1 to Voice arrangement

(1) An arrangement that provides a 1.544 Mbps capacity to multiplex, on a digital time division basis, 24 Voice or Digital Data[2] grade channels. (Available with HC1)

(a)	Per arrangement	103.24	151.68

g. Group to Voice arrangement

(1) An arrangement that provides a Group capacity to multiplex, on a frequency division basis, 12 Voice grade channels. (Available with WA1)

(a)	Per arrangement[1]	-	-

h. Digital Data Multiplexing (Required with Digital Data Access service with DS facility interface at IC terminal location).

(1) Carrier Multiplexing Unit

- an arrangement that provides a 1.544 Mbps capacity to multiplex on a digital time division basis, 23 64 kbps channels.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Per Unit	$150.95	$140.47	$-

[1] Rates and charges based on individual case will apply.
[2] Digital Data channels are only available from the serving wire center serving the Company designator digital Hub. Digital Data or DS1 is used only as a component of DA1-4.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

1. Multiplexing (Cont'd)

(2) Carrier Multiplexing Plug-Ins

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Per 64 kbps channel equipped[1]	$1.56	$53.09	$135.20

(3) Carrier Sub-Multiplexing Unit: an arrangement that provides a 64 kbps capacity to multiplex on a digital time division basis, subspeed Digital Data Access Services.

(a)	Twenty 2.4 kbps services	146.39	88.66	167.03
(b)	Ten 4.8 kbps services	75.45	70.88	151.12
(c)	Five 9.6 kbps services	52.45	70.88	151.12

2. Bridging

a. Narrowband Bridges

(1) Two-Wire Bridging (available with NB1-3)

		Monthly Rate	Nonrecurring Charge
(a)	Per Port	$-	$-

(2) Telegraph Bridging (available with NB4 and NB5)

(a)	Two Wire, per Port	-	-
(b)	Four Wire, per Port	-	-

b. Voice Grade Bridges

(1) Voice Bridging (available with VG2 & 12)

(a)	Two Wire, per Port	30.80	102.00
(b)	Four Wire, per Port	30.80	102.00

(2) Data Bridging (available with VG5, 6, & 10)

(a)	Two Wire, per Port	$9.10	$58.00
(b)	Four Wire, per Port	9.10	58.00

(3) Telephoto Bridging (available with VG11)

(a)	Two Wire, per Port	30.80	102.00
(b)	Four Wire, per Port	30.80	102.00

[1] Required with DS1 to Digital Data channels hub multiplexing capability (MQ1)

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

2. Bridging (Cont'd)

b. Voice Grade Bridges (Cont'd)

(4) Telemetry and Alarm Bridging (Available with VG5)

		Monthly Rate	Nonrecurring Charge
Split Band, Active Briding			
(a)	Channel Connections, per channel connected, Remote station channel connection, each	$2.60	$17.00
Passive Bridging			
(b)	Channel Connections, per channel connected[1]	2.60	17.00
	Summation, Active Bridging		
(c)	Channel Connections, per channel connected[1]	2.60	17.00

c. Digital Data Access Bridges (available with DA1-4)

(1) Central Office Bridge

(a)	Per Port	7.72	10.45

3. Digital Data Secondary Channel Capability

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Per Digital Data Access Connection and Special Access Line, each	$15.00	$-	$485.00

[1] Rates and charges based on individual case will apply.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions-Voice Grade Services

1. Conditioning

Conditioning provides more specific transmission characteristics for data or telephoto services. There are two types of data conditioning, C-Type and DA-Type. C-Type conditioning controls attenuation distortion and envelope delay distortion; DA-Type conditioning controls the signal to C-notched noise ratio and intermodulation distortion. Telephoto conditioning controls attenuation distortion and envelope delay distortion.

Conditioning is charged for on a per two-point service or each section (i.e., midlink or end link) of a multi-point basis. The parameters listed for each type of conditioning apply from point of interface to network interface. For two-point services the parameters apply to each service. For multipoint services, the parameters apply to any path between any two service terminal points. C-Type and DA-Type conditioning are available only for data services. C-Type and DA-Type conditioning may be combined on the same service.

Telephoto conditioning is available only for VG11 services.

a. C-Type Conditioning

(1) For the additional control of attenuation distortion and envelope delay distortion on data services.

(2) Attenuation Distortion (Frequency Response) Relative to 1004 Hz

Frequency Range (Hz)	Variation (dB)
400-2800	1.0 to 2.0
300-3000	1.0 to 3.0
300-3200	2.0 to 6.0

(3) Envelope Delay Distortion

Frequency Range (Hz)	Variation (micro seconds)
1000-2600	100
600-2600	300
500-2800	600

(4) C-Type Conditioning is available in VG6, 7 & 10.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	C Type Conditioning, Per Two point Service or each section (i.e., midlink or end link) of a multipoint service.	$1.80	$9.00	$213.00

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions Voice Grade Services (Cont'd)

1. Conditioning (Cont'd)

b. DA-Type Conditioning

(1) For the control of signal to C-notched noise ratio and intermodulation distortion on data services. DA-Type conditioning is available for two-point services or three point multipoint services.

(2) The signal to C-notched noise ratio and intermodulation distortion parameters for DA-Type conditioning are:

Signal to C-Notched Noise Ratio 32 dB

(3) Intermodulation distortion:

Signal to second order modulation products (R2) is equal to or greater than 38 dB.
Signal to third order modulation products (R3) is equal to or greater than 42 dB.

(4) When a service equipped with DA-Type conditioning is used for voice communications, the quality of the voice transmission may not be satisfactory.

(5) DA-Type Conditioning is available with VG6, 7 and 10.

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a) DA Type Conditioning, Per Two Point Service or each section (i.e., mid link or end link) of a multipoint service.	$15.00	$372.00	$576.00

c. Telephoto Conditioning

(1) For the control of attenuation distortion and envelope delay distortion on telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Conditioning are:

Attenuation Distortion
(1004 Hz Reference)

Frequency Range (Hz)	Variation (db)
500 3000	0.5 to +1.5
300 3200	1.0 to +2.5

Envelope Delay Distortion

Frequency Range (Hz)	Variation (mcs)
1000 2600	110
800 2800	180

(2) Telephoto Conditioning is available with VG11 only.

(a) Telephoto Conditioning, Per Two Point Service or each section (i.e., midlink or end link) of a multipoint service	-	-	-

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions Voice Grade Services (Cont'd)

2. Improved return loss for effective two-wire transmission at the end user's premises

a. Available with VG2, 3 and 7

(1) This option is applicable to all interfaces except E&M, SF & DX when the impedance code 2 is specified. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Improved Return Loss, Per end user premises, per service which this option is available.	$1.95	$13.59	$39.80

3. Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available.

(a)	Improved Return Loss, Per IC terminal location, per service	1.95	24.68	50.89

4. IC specified end user premises receive level within a range acceptable to the Company on effective four-wire transmission. (Available with VG2, 3, 7, 8 & 9)

(a)	Specified receive level, per end user premises, per service	-	9.63	35.84

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

E. Optional Features and Functions - Dedicated Access Line Service

1. Two-Wire Improved Voice Transmission Parameters: (the guaranteed levels are set forth in 7.2.1.F.4.b. preceding)

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a) Per service	$6.43	$11.04	$460.89

2. Four-Wire Improved Voice Transmission Parameters: (the guaranteed levels are set forth in 7.2.1.F.4.c. preceding)

(a) Per service	6.43	11.04	460.89

F. Optional Features and Functions - Digital Data Access Services

1. Loop Transfer Arrangement

a. An arrangement that affords the end user an additional measure of protection to its access channel(s) on a 1 x N basis. This arrangement is only available from a Company designated digital hub. A key activated control service is required to operate the transfer arrangement. This control service must be separately ordered.

(1) Available with DA1, 2, 3 and 4.

(a) Transfer Arrangement, each	16.92	87.96	186.33

G. Optional Features and Functions - High Capacity Services

1. Automatic Protection Switching

a. Switching equipment placed at both ends of a duplicate standby service to automatically switch the standby service to the active state in the event of service failure. Duplicate 1.544 Mbps Service must also be ordered.

(1) Available with HC1.

(a) Per Arrangement	281.15	68.27	159.66

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines

A. Two-Wire[1]

1. For use with NB1-5, VG1-12 and AP1-4

		Monthly Rate
(a)	Two Wire Special Access Line, each	$13.05

2. For use with Dedicated Access Line Service

		Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a)	Two wire Special Access Line, each	$34.00	$141.00	$64.00

B. Four-Wire1

1. For use with NB4-5, VG1-12 and DA1-4

		Monthly Rate
(a)	Four Wire Special Access Line, each	$26.10

2. For use with Dedicated Access Line Service

		Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a)	Four wire Special Access Line, each	$45.00	$157.00	$80.00

C. Group[1,2]

1. For use with WA1

		Monthly Rate
(a)	Group Special Access Line, each	$-

D. 20 kHz[3,4]

1. For use with WA3

(a)	20 kHz Special Access Line, each	-

[1] See 7.4.2 preceding for application of Special Access Service Surcharge.
[2] Rates and Charges based on individual cases will apply.
[3] See 7.4.2 preceding for application of Special Access Service Surcharge.
[4] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines (Cont'd)

E. 13 kHz[3,4]

1. For use with WA4

		Monthly Rate
(a)	13 kHz Special Access Line, each	$-

F. 19.2 kbps[3,4]

1. For use with WD1

(a)	19.2 kbps Special Access Line, each	-

G. 50 kbps[3,4]

1. For use with WD2

(a)	50 kbps Special Access Line, each	-

H. 230.4 kbps[3,4]

1. For use with WD3

(a)	230.4 kbps Special Access Line, each	-

I. 56 kbps[3,4]

1. For use with WD4

(a)	56 kbps Special Access Line, each	-

J. **L.** DS1 - 1.544 Mbps[3]

1. For use with HC1

(a)	DS1 1.544 Mbps Special Access Line, each	110.83

K. DS1C - 3.152 Mbps[3,4]

1. For use with HC1C

(a)	DS1C 3.152 Mbps Special Access Line, each	-

L. DS2 - 6.312 Mbps[3,4]

1. For use with HC2

(a)	DS2 6.312 Special Access Connection, each	-

M. DS3 - 44.736 Mbps[3,4]

1. For use with HC3

(a)	DS3 44.736 Mbps Special Access Line, each	-

N. DS4 - 274.176 Mbps[3,4]

1. For use with HC4

(a)	DS4 274.176 Mbps Special Access Line, each	-

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines (Cont'd)

O. Optional Feature

1. Hybrid

Provides conversion from four-wire SAL to two-wire termination at end user premises. Required to meet effective four-wire performance with a two-wire end user premises facility interface.

		Monthly Rate	Nonrecurring Charge
(a)	Hybrid, each	$-	$-

P. Special Access Service Surcharge[1]

1. Per voice equivalent channel (non DAL), billed to the IC

		Monthly Rate
(a)	each	$25.00

2. Per DAL, billed to the IC

(a)	each	-

22.4.5 Voice Grade Service

A. Channel Termination

1. Per Point of Termination

		Monthly Rate	Nonrecurring Charge
(a)	Two Wire	$33.12	$223.24
(b)	Four Wire	46.81	223.24

B. Channel Mileage

1. Mileage Facility

(a)	Per Mile	2.41	-

2. Mileage Terminal

(a)	Per Terminal	14.09	-

[1] See 7.4.2 preceding for application of Special Access Service Surcharge.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

C. Optional Features and Functions

1. Bridging

a. Two-Wire/Four-Wire

(1) Per Port

		Monthly Rate	Nonrecurring Charge
(2)			
(a)	Two Wire	$4.33	$-
(b)	Four Wire	4.33	-

b. Data Bridging, Two-Wire/Four-Wire

(1)	Per Port		
(a)	Two Wire	4.33	-
(b)	Four Wire	4.33	-

c. Telephoto Bridging, Two-Wire/Four-Wire

(1)	Per Port		
(a)	Two Wire	4.33	-
(b)	Four Wire	4.33	-

d. Addressable Arrangement

(1)	Per channel connected		
(a)	Two Wire	25.80	-
(b)	Four Wire	131.35	-

e. Telemetry/Alarm Bridging Service (TABS) Bridging

(1)	Per channel connected		
(a)	Split Band	9.12	-
(b)	Summation	1.55	-
(c)	Passive	0.23	-

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

C. Optional Features and Functions (Cont'd)

2. Conditioning, Per Terminal

	Monthly Rate	Nonrecurring Charge
(a) C Type	$6.45	$
(b) Sealing Current	-	-
3. Improved Return Loss		
(1) Per Terminal		
(a) Two Wire	1.91	-
(b) Four Wire	1.91	-
4. Customer Specified Receive Level, Per Terminal		
(a) Two Wire		
5. Multiplexing, Voice to Telegraph		
(a) Per Arrangement	245.68	-
6. Data Capability		
(a) Per Terminal	1.44	247.03
7. Telephoto Conditioning		
(a) Per Terminal	3.19	247.03
8. Signaling Capability		
(a) Per Terminal	14.89	-
9. Selective Signaling Arrangement		
(a) Per Arrangement	15.92	-
10. Transfer Arrangement		
(a) Key Activated or Dial up, Per Four Port Arrangement	3.41	-

D. Public Packet Switching Network (PPSN)

1. Interface Arrangement

(a) Per Arrangement[1]

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.6 Video Service

A. Channel Terminal

1. Per Terminal

		Monthly Rates	Daily Rates	Nonrecurring Charges Monthly	Nonrecurring Charges Daily
(a)	TV 1 or 2	$436.39	$240.01	$-	$-
(b)	4TV 5	425.75	234.16	-	-
(c)	6TV 5	452.39	248.81	-	-
(d)	TV 15	469.48	258.27	-	-

B. Channel Mileage

1. Facility

(a)	TV 1 or 2	399.69	-	219.83	-
(b)	4TV 5	399.69	-	219.83	-
(c)	6TV 5	399.69	-	219.83	-
(d)	TV 15	399.69	-	219.83	-

2. Per Terminal, Each

(a)	Over 0 to 4	425.71	-	234.14	-
(b)	Over 4 to 8	425.71	-	234.14	-
(c)	Over 8 to 25	425.71	-	234.14	-
(d)	Over 25 to 50	425.71	-	234.14	-

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.7 Digital Data Access Service

A. Channel Terminal

1. Per Terminal

		Monthly Rate	Nonrecurring Charge
(a)	2.4 Kbps	$105.97	$311.64
(b)	4.8 Kbps	105.97	311.64
(c)	9.6 Kbps	105.97	311.64
(d)	56.0 Kbps	105.97	311.64

B. Channel Mileage

1. Facility, Per Mile

(a)	2.4 Kbps	2.41	-
(b)	4.8 Kbps	2.41	-
(c)	.6 Kbps	2.41	-
(d)	56.0 Kbps	2.41	-

2. Terminal, Each

(a)	2.4 Kbps	14.09	-
(b)	4.8 Kbps	14.09	-
(c)	9.6 Kbps	14.09	-
(d)	56.0 Kbps	14.09	-

C. Optional Features and Functions

1. Bridging

(a)	Per Port	26.93	-

2. Loop Transfer Arrangement (Key Activated or Dial-up)

(a)	Per Four Port Arrangement	6.75	-

D. Public Packet Switching Network (PPSN)

1. Interface Arrangement

(a)	Per 9.6 Kbps[1] Arrangement	-	-
(b)	Per 56.0 Kbps[1] Arrangement	-	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.7 Digital Data Access Service (Cont'd)

E. Channel Service Unit

1. Per Terminal

		Monthly Rate	Nonrecurring Charge
(a)	2.4 Kbps	$18.60	$-
(b)	4.8 Kbps	19.88	-
(c)	9.6 Kbps	20.85	-
(d)	56.0 Kbps	21.73	-

22.4.8 High Capacity Service

A. Channel Terminal

1. Per Terminal

(a)	1.544 Mbps	271.17	381.10
(b)	3.152 Mbps[1]	-	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

B. Channel Mileage

1. Facility, Per Mile

(a)	1.544 Mbps	1.29	-
(b)	3.152 Mbps	31.91	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

2. Terminal, Each

(a)	1.544 Mbps	17.77	-
(b)	3.152 Mbps	178.15	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.8 High Capacity Service (Cont'd)

C. Optional Features and Functions

1. Multiplexing

a. DS4 to DS1

(1) Per Arrangement

	Monthly Rate	Nonrecurring Charge
(a) Each[1]	$ -	$ -
(b) DS3 to DS1	-	-
(2) Per Arrangement		
(a) Each[1]	-	-
b. DS2 to DS1		
(1) Per Arrangement		
(a) Each[1]	-	-
c. DS1C to DS1		
(1) Per Arrangement		
(a) Each[1]	-	-
d. DS1 to Voice		
(1) Per Arrangement		
(a) Each	360.44	-
e. DS1 to DS0		
(1) Per Arrangement		
(a) Each	624.91	-
f. DS0 to Subrates		
(1) Per Arrangement		
(a) Up to 20 2.4 Kbps services	511.06	-
(b) Up to 10 4.8 Kbps services	263.41	-
(c) Up to 5 9.6 Kbps services	183.12	-
2. Automatic Loop Transfer		
(a) Per Arrangement	440.03	-
3. Transfer Arrangement		
(a) Key Activated or Dial up, Per Four Port Arrangement	187.03	
4. Network Channel Terminating Equipment, Per Terminal		
(a) 1.544 Mbps	96.02	-
(b) Automatic Loop Transfer	1,013.35	-

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.9 Transfer of Service

A. Service Rearrangements

1. Special Access Circuits

		Nonrecurring Charge
(a)	Per Billing Account Number	$140.00
(b)	Per circuit	7.00

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges

22.5.1 Charges for Additional Engineering

A. The charges for additional engineering are as follows:

1. Engineering Consultation and Engineering of Connections with other telephone companies (if not Concurring Carriers):

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic time, regularly scheduled work hours, Per Engineer	$66.00	$39.79
(b)	Overtime, outside of regularly scheduled work hours, Per Engineer	73.41	47.20

22.5.2 Charges for Additional Labor

A. The charges for additional labor are as follows:

1. Overtime Installation or Repair

(a)	Overtime, outside of regularly scheduled working hours on a scheduled work day,[1] Per Technician	29.31	3.10

2. Stand by, Testing and Maintenance with other telephone companies (if not Concurring Carriers) or Other Labor

(a)	Basic time, regularly scheduled working hours, per Technician	17.91	-
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day[1], per Technician	21.01	-
(c)	Premium time, outside of scheduled work day[1], per Technician	24.12	-

[1] A call out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.2 Charges for Additional Labor (Cont'd)

A. The charges for additional labor are as follows: (Cont'd)

3. Other Labor (or Testing and Maintenance with other telephone companies, if they are not Concurring carriers)

		First Half Hour Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic Time regularly scheduled working hours, per technician	$44.12	$17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day, [1] per technician	47.22	21.01
(c)	Premium Time, outside of scheduled work day, [1] Per Technician	50.33	24.12

22.5.3 Maintenance of Services

A. The maintenance of service charges are as follows:

1. The charges for maintenance of service are as follows:

(a)	Basic time, regularly scheduled working hours, per technician	44.12	17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day, per technician[1]	47.22	21.01
(c)	Premium time, outside of scheduled work day, per technician[1]	50.33	24.12

22.5.4 Restoration Priority

		Nonrecurring Charge
(a)	Restoration Priority, per Service arranged	$104.02

[1] A call out of a Company employee at a time not consecutive with the employee's scheduled work period subject to a minimum charge of four hours.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.5 Presubscription

A. The nonrecurring charge for Presubscription is as follows:

1. Presubscription, per Telephone Exchange Service line or trunk

		Nonrecurring Charge
(a)	Each[1,2]	$5.00

[1] This charge is billed to the end user which is the subscriber to the telephone exchange service.
[2] This charge is billed when the pre-designated IC is an intrastate IC. If the IC is an interstate/intrastate carrier then this rate will apply in lieu of the same rate in the appropriate interstate tariff.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service

1. Switched Access

a. Additional Cooperative Acceptance Testing

(1) Testing Rates, per technician

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic Time (Regularly scheduled work hours.)	$43.75	$17.54
(b)	Overtime (Outside regularly scheduled work hours on a scheduled work day.)	47.02	20.81
(c)	Premium Time (Outside scheduled work day.)[1]	50.29	24.08

b. Automatic Scheduled Testing (AST)

(1) To first point of switching, per test ordered, per year

		Monthly Rate
(a)	1004 Hz Loss2,3,4 per transmission path	$0.06
(b)	C Message Noise [4,5,6] per transmission path	0.06
(c)	Return Loss (Balance) [4,5,6] per transmission path	0.06
(d)	Gain Slope4 per transmission path	0.06
(e)	C Notched Noise, per transmission path	0.06

[1] A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.
[2] The IC may specify a more frequent schedule of tests, 60 days prior to the start of the IC prescribed schedule.
[3] These three test represent the minimum offering, i.e., an order for testing must at a minimum, consist of twelve 1004Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The additional test listed may be ordered by the IC at additional charges, 60 days prior to the start of the IC presubscribed schedule.
[4] Subject to a one year minimum contract period.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

1. Switched Access (Cont'd)

c. Cooperative Scheduled Testing (CST)

			Monthly Rate
(1)	To first point of switching, per test ordered, per year		
	(a)	1004 Hz Loss,[4,5,6] per transmission path	$0.34
	(b)	C Message Noise,[4,5,6] per transmission path	0.25
	(c)	Return Loss (Balance), [4,5,6] per transmission path	0.55
	(d)	Gain Slope, per transmission path	0.34
	(e)	C Notched Noise, per transmission path	0.25

d. Manual Scheduled Testing (MST)

(1)	To first point of switching, per test ordered, per year		
	(a)	1004 Hz Loss,[1,2,3] per transmission path	0.90
	(b)	C Message Noise, [1,2,3] per transmission path	0.59
	(c)	Return Loss (Balance), [1,2,3] per transmission path	1.20
	(d)	Gain Slope, per transmission path	0.90
	(e)	C Notched Noise, per transmission path	0.59

[1] The IC may specify a more frequent schedule of tests, 60 days prior to the start of the IC prescribed schedule.
[2] These three test represent the minimum offering, i.e., an order for testing must at a minimum, consist of twelve 1004Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The additional test listed may be ordered by the IC at additional charges, 60 days prior to the start of the IC presubscribed schedule.
[3] Subject to a one year minimum contract period.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

1. Switched Access (Cont'd)
   e. Nonscheduled Testing (NST)
      (1) Cooperative Testing:

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic, regularly scheduled work hours, per technician	$43.75	$17.54
(b)	Overtime, outside regularly scheduled work hours on a scheduled work day, per technician	47.02	20.81
(c)	Premium, outside scheduled work day, per technician[1]	50.29	24.08

      (2) Manual Testing

(a)	Basic, regularly scheduled work hours, per technician	43.93	17.72
(b)	Overtime, outside regularly scheduled work hours on a scheduled work day, per technician	47.12	20.91
(c)	Premium, outside scheduled work day, per technician[1]	50.31	24.10

      (3) Automatic Testing, to first point of switching, per test performed:

		Rate
(a)	1004 Hz Loss	$12.44
(b)	C Message Noise	12.44
(c)	Return Loss (Balance)	12.44
(d)	Gain Slope	12.44
(e)	C Notched Noise	12.44

2. Special Access
   a. Additional Cooperative Acceptance Testing (ACAT)
      (1) Applies to the following tests:

VG1 through 3: Attenuation Distortion, C-Message Noise and Balance (Return Loss)

VG6 through 12: Attenuation Distortion, C-Message Noise, Balance (Return Loss), Impulse Noise, Phase Jitter, Intermodulation Distortion, Envelope Delay Distortion and Frequency Shift

[1] A call-out of a Company employee at a time no consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

2. Special Access (Cont'd)

a. Additional Cooperative Acceptance Testing (ACAT) (Cont'd)

(1) Applies to the following tests: (Cont'd)

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic time, regularly scheduled work hours, per technician	$44.12	$17.91
(b)	Overtime, outside or regularly scheduled work hours on a scheduled work day, per technician	47.22	21.01
(c)	Premium time, outside of scheduled work day, per technician1	50.33	24.12

b. Nonscheduled Testing (NST)

(1) Testing Rates, per technician

(a)	Basic time (Regularly scheduled work hours)	44.12	17.91
(b)	Overtime (Outside regularly scheduled work hours on a scheduled work day)	47.22	21.01
(c)	Premium time (Outside scheduled work day)[1]	50.33	24.12

22.5.7 Provision of Access Service Billing Information

A. The IC will receive its monthly bills in standard paper format or electronic format.

B. Additional copies of the IC monthly bill or service and features record may be provided in standard paper format of electronic format.

(a) Per page $ -

[1] A call-out of a Company employee at a time no consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.8 Equal Access Subscription

A. The nonrecurring charges for a change in IntraLATA Subscription are as follows:

1. Subscription change when not performed simultaneously with interLATA PIC change to the same carrier, per line or trunk

		Nonrecurring Charge
(a)	billed to the end user or pay telephone location provider or its authorized agent	$5.00
(b)	billed to the end user or pay telephone location provider or its authorized agent	1.25

2. Subscription change when performed simultaneously with the interLATA PIC change to the same carrier, per line or trunk

(a)	billed to the end user or pay telephone location provider or its authorized agent	5.00
(b)	billed to the end user or pay telephone location provider or its authorized agent	0.62

B. The nonrecurring charge for an unauthorized change in IntraLATA Subscription is as follows:

1. Unauthorized Subscription Change

(a)	per business or residence line or trunk[1]	19.41
(b)	billed to the end user or pay telephone location provider or its authorized agent	0.62

[1] If an unauthorized change in IntraLATA and InterLATA Subscription occurs at the same time, on the same Business, Residence line or trunk, and the Subscribed IC is the same IC for IntraLATA and InterLATA Subscription, the IC will be assessed one unauthorized Subscription charge as provided in the National Exchange Carrier Association's Tariff FCC No. 5, Section 17.4.4. In addition, the IC will be assessed the applicable PIC change charge for returning the end user or location provider or its authorized agent to their preferred intraLATA subscribed IC as provided in 22.5.7.A. preceding. Additionally, the applicable PIC change charge, as provided in National Exchange Carrier Association's Tariff FCC No. 5, Section 17.4.4 will be assessed to the IC to return the end user or location provider or its authorized agent to their previous authorized carrier.

22. RATES AND CHARGES – Tri-County Telephone Membership Corporation

22.6 IntraLATA Toll Originating Responsibility Plan (ITORP)

A. Access compensation rates, IntraLATA toll DA and Billing and Collection rates are specified following. For other applicable access charges, refer to the intrastate switched access charges specified in the applicable Access Tariff on file for the terminating LEC.

1. IntraLATA Toll

	Rate
(a) Directory Assistance, per call	$0.500000

B. Network Compensation Rates

(a) Rates Per Minute of Use	0.001963

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.1 Carrier Common Line Access

A. The rate for Intrastate Carrier Common Line Access is:

1. Carrier Common Line Charge

a. Originating Access Minutes

(a) Per Minute $-

b. Terminating Access Minute

(a) Per Minute -

22.2 Ordering Options for Switched Access and Special Access Service

		Nonrecurring Charge
(1)	Service Date Change	
(a)	Service Date Change Charge, per Order	$26.21
(2)	Other Modification Change	
(a)	Per Order	26.21
(3)	Planned Facilities Order Modification Charge	
(a)	Per Order	26.21

22.3 Switched Access Service

22.3.1 Minimum Monthly Usage Charge (MMUC)

A. The Minimum Monthly Usage Charge (the minimum transport charge) varies by mileage band and capacity.

The MMUC is as follows:

	Mileage Bands	Minimum Transport Charge per BHMC[1]
(a)	0 to 1	$0.3300
(b)	Over 1 to 8	0.7575
(c)	Over 8 to 16	0.8775
(d)	Over 16 to 25	0.9450
(e)	Over 25 to 50	1.5225
(f)	Over 50 to 100	2.1225
(g)	Over 100	3.3975

[1] BHMC is the Access Connections busy hour minutes of capacity provided to the end office.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.2 Access Connections

A. Installation of New Service

1. Feature Group A

		Nonrecurring Charge
(a)	Per First Line	$640.00
(b)	Each Additional Line	135.00

2. Feature Groups B, C and D

(a)	Per First Trunk or Signaling Connection	915.00
(b)	Each Additional Trunk or Signaling Connection	272.00

3. Interface Groups

(a)	Group 1, Two-Wire path with Loop signaling	-
(b)	Group 2, Four-Wire path with Loop signaling	-
(c)	Group 6, DS1 level path with Bit Stream signaling	-
(d)	Group 7, DS1C level path with Bit Stream signaling	-
(e)	Group 8, DS2 level path with Bit Stream signaling	-
(f)	Group 9, DS3 level path with Bit Stream signaling	-
(g)	Group 10, DS4 level path with Bit Stream signaling	-

B. Interface Group Non-chargeable Optional Features

1. Supervisory Signaling

a. DX Supervisory Signaling arrangement
Per Transmission Path[1]

b. SF Supervisory Signaling arrangement
Per Transmission Path[2]

c. E&M Type I Supervisory Signaling arrangement
Per Transmission Path[1]

d. E&M Type II Supervisory Signaling arrangement
Per Transmission Path

e. E&M Type III Supervisory Signaling arrangement
Per Transmission Path[3]

[1] Available with Interface Groups 1 and 2.
[2] Available with Interface Groups 2 and 6 and 7
[3] Available with Interface Group 2 for FGC and FGD.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.2 Access Connections (Cont'd)

A. Interface Group Non-chargeable Optional Features (Cont'd)

1. Supervisory Signaling (Cont'd)

f. Tandem Supervisory Signaling arrangement

Per Transmission Path[1]

2. IC Specified Entry Switch Receive Level

a. IC specification of the receive transmission level at the first point of switching within a range acceptable to the Company[2]

Per Transmission Path

C. Network Blocking Charge, applies to FGD only.

		Rate
(a)	Per call blocked	$0.0076

22.3.3 Local Transport

A. Call Miles

(1) Usage Rate per Access Minute

		Per Access Minute
(a)	0 to 1	$-
(b)	Over 1 to 8	-
(c)	Over 8 to 16	-
(d)	Over 16 to 25	-
(e)	Over 25 to 50	-
(f)	Over 50 to 100	-
(g)	Over 100	-

[1] Available with Interface Group 2 for FGA.
[2] Available with Interface Groups 2 through 7 for FGA and FGB.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.3 Local Transport (Cont'd)

B. Options

1. Provision of other than Company Selected

   Traffic Routing (available with FGB, FGC and FGD)

   a. Direct Trunking in lieu of Tandem Trunking

      Per Transmission Path[1]

   b. Tandem Trunking in lieu of Direct Trunking

      Per Transmission Path[1]

2. IC Specification of Feature Group Directionality (Available with FGB, FGC, FGD and FGE)[2]

   a. One Way Operation in lieu of Two Way Operation[1]

   b. Two Way Operation in lieu of One Way Operation[1]

3. IC Specification of a Local Transport Termination (Available with FGB with Type B Transmission Performance)

   a. Four Wire Termination in lieu of Two Wire Termination[1]

22.3.4 End Office

A. Local Switching

1. Per Access Minute (Includes Line Termination and Intercept)

		Rate Per Access Minute
(a)	Per Originating Access Minute of use	$-
(b)	Per Terminating Access Minute of use	-

2. Common Switching Nonchargeable Optional Features

   a. Call denial on line or hunt group, available with FGA

      Per Transmission Path or Transmission Path Group

   b. Service Code Denial on line or hunt group, available with FGA

      Per Transmission Path or Transmission Path Group

   c. Hunt Group Arrangement, available with FGA

      Per Transmission Path Group[3]

   d. Uniform Call Distribution Arrangement, available with FGA

      Per Transmission Path Group[1]

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[1] Rates and charges based on individual cases will apply.
[2] For FGC this option is available only in electronic end offices.
[3] Optional features on an end office and/or access tandem basis are available only on an entire transmission path group.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

A. Local Switching (Cont'd)

2. Common Switching Nonchargeable Optional Features (Cont'd)

e. Nonhunting Numbers for use with Hunt Group Arrangements or U.C.D.

Arrangement available with FGA

Per Transmission Path

f. Automatic Number Identification, available with FGB, FGC and FGD

Per Transmission Path Group1

g. Up to 7 Digit Outpulsing of Access Digits to IC, available with FGB

Per Transmission Path Group1

h. Dial Pulse Address Signaling, available with FGC

Per Transmission Path Group

i. Service Class Routing, available with FGC and FGD

Per End Office and/or Access Tandem

j. Alternate Traffic Routing, Multiple Customer Premises Alternate Routing available with FGB, FGC and FGD

Per End Office and/or Access Tandem

k. End Office Alternate Routing, when ordered in trunks, available with FGB and FGD,

Per End office and/or Access Tandem

l. Trunk Access Limitation Arrangement, available with FGC and FGD

Per End Office

m. Call Gapping Arrangement, available with FGD

Per End Office

n. Band Advance Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path Group[1]

o. End Office Customer Line Service Screening on Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path

[1] Optional features on an end office and/or access tandem basis are available only on an entire transmission path group.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

A. Local Switching (Cont'd)

2. Common Switching Nonchargeable Optional Features (Cont'd)

p. Hunt Group Arrangement for Dedicated Access Lines Service, available with FGC and FGD

Per Transmission Path Group

q. Uniform Call Distribution Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path Group

r. Nonhunting Number for use with Hunt Group Arrangement or U.C.D. Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path

3. Transport Termination Nonchargeable Options

a. Line Side Terminations for FGA

(1) Two Way Operation

-Dial Pulse with Loop Start
-Dial Pulse with Ground Start
-DTMF with Loop Start
-DTMF with Ground Start

(2) Terminating Operation

-Dial Pulse with Loop Start
-Dial Pulse with Ground Start
-DTMF with Loop Start
-DTMF with Ground Start

(3) Originating Operation

-Loop Start
-Ground Start

b. Standard Trunk for Originating, Terminating or Two Way operation, available with FGB, FGC and FGD

c. Rotary Dial Station Signaling Trunk, available with FGB

d. Operator Trunk, Non Coin available with FGC also available with FGC or FGD when used in conjunction with Operator Transfer Service

e. Operator Trunk, Full Feature Arrangement, available with FGD

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

B. Line Terminations

1. Common Line and Dedicated Access Line Service Terminations

		Rate
(a)	Per Originating Minute of use	$-
(b)	Per Terminating Minute of use	

C. Intercept

1. Intercept Charge

(a)	Per 100 Access Minutes[1]	-

D. 800 Access Service

1. IC Identification Charge

(a)	Per 100 calls[2]	-

22.3.5 800 Access Ten Digit Screening Service

A. 800 Access Ten Digit Screening Service

1. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with 800 Number Delivery

(a)	Per Query	0.0054

2. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with 800 Number Delivery for 800 Numbers with Optional Complex Feature, i.e., Call Handling and Destination Features

(a)	Per Query	0.0060

3. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with POTS Number Delivery

(a)	Per Query	-

4. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with POTS Number Delivery for 800 Numbers with Optional Complex Feature, i.e., Call Handling and Destination Features

(a)	Per Query	-

[1] Applies to all Access Minutes.
[2] The rate for the 800 Access Service (NXX Plan) is subject to change upon the approval of the 800 Access Service Data Base Plan.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.6 Service Rearrangements

			Rate
A.	Change of Service		
	1. Submitted on the Same ASR[1]		
	(a)	Per Request	$92.00
B.	Feature Group A		
	1. Line Side Service		
	(a)	Per transmission path[2]	10.00
C.	Feature Groups B, C and D		
	1. Trunk Side Service		
	(a)	Per transmission path[2]	5.00
D.	Common Block		
	1. Translations Related		
	(a)	Per End Office and Tandem Office Affected[2]	90.00
E.	500 Access Service		
	1. Change in dialing capability		
	(a)	Per NXX Per End Office and Tandem Office affected[2]	15.00

22.3.7 Transfer of Service

A.	Transfer of Service		
	1. Billing Account Number		
	(a)	Each	170.00
B.	Feature Group A		
	1. Line Side Service		
	(a)	Per Transmission Path[3]	7.00
C.	Feature Groups B, C and D		
	1. Trunk Side Service		
	(a)	Per Transmission Path[3]	8.00

[1] Services requested on multiple ASRs will be treated as one request when requirements, as specified in 6.1.7, are met.
[2] This charge is in addition to that set forth in 22.3.6.A.
[3] This charge is in addition to that set forth in 22.3.7.A.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.8 500 Access Service

A. 500 Access Service

1. 500 Customer Identification

		Rate
(a)	Per Call	$0.01

2. Service Activation Charge - Per Company End Office Switch or Access Tandem in which translations are required

		Nonrecurring Charge
(a)	First NXX Code Submitted on ASR	$40.00
(b)	Additional NXX Code submitted on ASR	20.00

22.3.9 RESERVED FOR FUTURE USE

22.3.10 End Office

A. Premium

1. End Office Transitional Access Service

		Rate
(a)	Per Originating Access Minute	0.030574

2. Local Switching

a. Local Switching

(1) Feature Groups C & D (including: (1) Feature Group B when utilized for the provision of MTS/WATS service and (2) Feature Groups A and B when utilized for the provision of terminating inward WATS and WATS-type services at an equal access WATS Serving Office.Local Switching

(a)	Per Originating Access Minute	0.01347

3. Directory Assistance Information Surcharge

(a)	Per 100 Originating Access Minutes	0.04940

22.3.11 Tandem Transport

(1) Tandem Switched Facility

		Rate
(a)	Per Originating Access Minute Per Mile	$0.000402

b. Tandem Switched Termination

(a)	Per Originating Access Minute Per Termination	0.002090

c. Tandem Switching

(a)	Per Originating Access Minute Per Tandem	0.005272

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services

22.4.1 Access Connections

A. Two-Wire Access Connections

1. For use with NB1-5, VG1-12 and AP1-4

		Monthly Rate
(a)	Each Two Wire Access Connection	$1.40

B. Four-Wire Access Connections

1. For use with NB4-5, VG1-12 and DA1-4 with DU facility interface.

(a)	Each Four Wire Access Connection	2.80

C. Group Access Connections[1]

1. For use with WA1

(a)	Each group Access Connection	-

D. 20 kHz Access Connection1

1. For use with WA3

(a)	Each 20 kHz Access Connection	-

E. 13 kHz Access Connections[1]

1. For use with WA4

(a)	Each 13 kHz Access Connection	-

F. 19.2 kbps Access Connections[1]

1. For use with WD1

(a)	Each 19.2 kbps Access Connection	-

G. 50 kbps Access Connections[1]

1. For use with WD2

(a)	Each 50 kbps Access Connection	-

H. 230.4 kbps Access Connections[1]

1. For use with WD3

(a)	each 230.4 kbps Access Connection	-

I. 56 kbps Access Connections1

1. For use with WD4

(a)	Each 56 kbps Access Connection	-

[1] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

2.4.1 Access Connections (Cont'd)

J. DS1 - 1.544 Mbps Access Connections

	Monthly Rate
1. For use with HC1	
(a) Each DS1 Access Connection	$36.00
K. DS1C - 3.152 Mbps Access Connections[1]	
1. For use with HC1C	
(a) Each DS1C Access Connection	-
L. DS2 - 6.312 Mbps Access Connections[1]	
1. For use with HC2	
(a) Each DS2 Access Connection	-
M. DS3 - 44.736 Mbps Access Connections[1]	
1. For use with HC3	
(a) Each DS3 Access Connection	-
N. DS4 - 276.176 Mbps Access Connections[1]	
1. For use with HC4	
(a) Each DS4 Access Connection	-

[1] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport

A. Mileage measured between IC serving wire center to Hub, IC serving wire center to End User serving wire center or Hub to End User serving wire center.

1. For method of determining mileage, see 7.4.5 and 10.

a. Fixed and Mileage Charges applicable

(1) Two-wire metallic (for use with NB1-3)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$-	$6.40
(b)	Over 4 to 8 Miles, per mile	.80	6.40
(c)	Over8 to 16 Miles, per mile	.80	6.40
(d)	Over 16 to 25 Miles, per mile	.80	6.40
(e)	Over 25 to 50, per mile	.80	6.40
(f)	Over 50 to Miles, per mile	.80	6.40
(g)	Over 100 Miles, per mile	.80	6.40
(2)	75 Baud (for use with NB4)		
(a)	0 to 4 Milesper mile	-	5.45
(b)	Over 4 to 8 Miles, per mile	2.50	4.05
(c)	Over 8 to 16 Miles, per mile	11.95	2.65
(d)	Over 16 to 25 Miles, per mile	21.40	2.00
(e)	Over 25 to 50 Miles, per mile	39.50	1.25
(f)	Over 50 to 100 Miles, per mile	40.20	1.25
(g)	Over 100 Miles, per mile	40.20	1.25
(3)	150 Baud (for use with NB5)		
(a)	0 to 4 Miles, per mile		5.45
(b)	Over 4 to 8 Miles, per mile	2.50	4.05
(c)	Over 8 to 16 Miles, per mile	11.95	2.65
(d)	Over 16 to 25 Miles, per mile	21.40	2.00
(e)	Over 25 to 50 Miles, per mile	39.50	1.25
(f)	Over 50 to 100 Miles, per mile	40.20	1.25
(g)	Over 100 Miles, per mile	47.70	1.25

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport

A. (Cont'd)

1. (Cont'd)

a. Fixed and Mileage Charges applicable (Cont'd)

(4) Two-Wire/Four-Wire Voice (for use with VG1-12 and interLATA only Dedicated Access Line Service)

(a)	0 to 4 Miles, per mile		8.09
(b)	Over 4 to 8 Miles, per mile	8.26	6.00
(c)	Over 8 to 16 Miles, per mile	25.75	3.82
(d)	Over 16 to 25 Miles, per mile	61.44	1.63
(e)	Over 25 to 50 Miles, per mile	61.44	1.63
(f)	Over 50 to 100 Miles, per mile	79.33	1.27
(g)	Over 100 Miles, per mile	79.33	1.27

(5) 3.5 kHz Audio (for use with AP1)

(a)	0 to 4 Miles, per mile	-	6.45
(b)	Over 4 to 8 Miles, per mile	2.50	6.45
(c)	Over 8 to 16 Miles, per mile	2.50	6.45
(d)	Over 16 to 25 Miles, per mile	2.50	6.45
(e)	Over 25 to 50 Miles, per mile	2.50	6.45
(f)	Over 50 to 100 Miles, per mile	2.50	6.45
(g)	Over 100 Miles, per mile	2.50	6.45

(6) 5 kHz Audio (for use with AP2)

(a)	0 to 4 Miles, per mile	$-	$6.45
(b)	Over 4 to 8 Miles, per mile	7.50	6.45
(c)	Over 8 to 16 Miles, per mile	7.50	6.45
(d)	Over 16 to 25 Miles, per mile	7.50	6.45
(e)	Over 25 to 50 Miles, per mile	7.50	6.45
(f)	Over 50 to 100 Miles, per mile	7.50	6.45
(g)	Over 100 Miles, per mile	7.50	6.45

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport

A. (Cont'd)

1. (Cont'd)

a. Fixed and Mileage Charges applicable (Cont'd)

(7) 8 kHz Audio (for use with AP3)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$-	$6.45
(b)	Over 4 to 8 Miles, per mile	6.90	6.45
(c)	Over 8 to 16 Miles, per mile	6.90	6.45
(d)	Over 16 to 25 Miles, per mile	6.90	6.45
(e)	Over 25 to 50 Miles, per mile	6.90	6.45
(f)	Over 50 to 100 Miles, per mile	6.90	6.45
(g)	Over 100 Miles, per mile	6.90	6.45

(8) 15 khz Audio (for use with AP4)[1]

(a)	0 to 4 Miles, per mile	-	-
(b)	Over 4 to 8 Miles, per mile	-	-
(c)	Over 8 to 16 Miles, per mile	-	-
(d)	Over 16 to 25 Miles, per mile	-	-
(e)	Over 25 to 50 Miles, per mile	-	-
(f)	Over 50 to 100 Miles, per mile	-	-
(g)	Over 100 Miles, per mile	-	-

(9) Group (for use with WA1 and WA1T),[2]

(10) 20 kHz (for use with WA3)[1]

(11) 13 kHz (for use with WA4)[1]

(12) 19.2 kbps (for use with WD1)[1]

(13) 50.0 kbps (for use with WD2)[1]

(14) 230.4 kbps (for use with WD3)[1]

(15) 56.0 kbps (for use with WD4)[1]

[1] Rates and Charges based on individual cases will apply.
[2] For WA1T, two are required

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport

A. (Cont'd)

1. (Cont'd)

a. Fixed and Mileage Charges applicable (Cont'd)

(16) Digital Data 1 (for use with DA1)

(a)	0 to 4 Miles, per mile	$143.70	$-
(b)	Over 4 to 8 Miles, per mile	184.00	2.30
(c)	Over 8 to 16 Miles, per mile	184.00	2.30
(d)	Over 16 to 25 Miles, per mile	184.00	2.30
(e)	Over 25 to 50 Miles, per mile	184.00	2.30
(f)	Over 50 to 100 Miles, per mile	184.00	2.30
(g)	Over 100 Miles, per mile	184.00	2.30

2. Digital Data 2 (for use with DA2)

(a)	0 to 4 Miles, per mile	151.05	-
(b)	Over 4 to 8 Miles, per mile	193.30	2.80
(c)	Over 8 to 16 Miles, per mile	193.30	2.80
(d)	Over 16 to 25 Miles, per mile	193.30	2.80
(e)	Over 25 to 50 Miles, per mile	193.30	2.80
(f)	Over 50 to 100 Miles, per mile	193.30	2.80
(g)	Over 100 Miles, per mile	193.30	2.80

3. Digital Data 3 (for use with DA3)

(a)	0 to 4 Miles, per mile	182.80	-
(b)	Over 4 to 8 Miles, per mile	212.15	3.10
(c)	Over 8 to 16 Miles, per mile	212.15	3.10
(d)	Over 16 to 25 Miles, per mile	212.15	3.10
(e)	Over 25 to 50 Miles, per mile	212.15	3.10
(f)	Over 50 to 100 Miles, per mile	212.15	3.10
(g)	Over 100 Miles, per mile	212.15	3.10

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport

A. (Cont'd)

4. Digital Data 4 (for use with DA4)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$384.80	$-
(b)	Over 4 to 8 Miles, per mile	360.05	8.00
(c)	Over 8 to 16 Miles, per mile	360.05	8.00
(d)	Over 16 to 25 Miles, per mile	360.05	8.00
(e)	Over 25 to 50 Miles, per mile	360.05	8.00
(f)	Over 50 to 100 Miles, per mile	360.05	8.00
(g)	Over 100 Miles, per mile	360.05	8.00

5. DS1 - 1.544 Mbps (for use with HC1[1] and interLATA only Dedicated Access Line Service)

(a)	0 to 4 Miles, per mile	26.85	30.00
(b)	Over 4 to 8 Miles, per mile	26.85	30.00
(c)	Over 8 to 16 Miles, per mile	26.85	30.00
(d)	Over 16 to 25 Miles, per mile	26.85	30.00
(e)	Over 25 to 50 Miles, per mile	26.85	30.00
(f)	Over 50 to 100 Miles, per mile	26.85	30.00
(g)	Over 100 Miles, per mile	26.85	30.00

6. DS1C - 3.152 Mbps (for use with HC1C[1])

   Rates and charges based on individual cases will apply.

7. DS2 - 6.312 Mbps (for use with HC2[1])

   Rates and charges based on individual cases will apply.

8. DS3 - 44.736 Mbps (for use with HC3[1])

   Rates and charges based on individual cases will apply.

9. DS4 - 274.176 Mbps (for use with HC4[1])

   Rates and charges based on individual cases will apply.

[1] Additional applications are obtainable through the use of suitable multiplexing at the Hub.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions

A. Facility Interface Combinations

1. Narrowband Services

Facility Interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(a)	DC/DC (NB1, 2 and 3)	$-	$123.00	$46.00
(b)	TT/TT (NB4)	3.85	268.50	169.50
(c)	DB 10/TT (NB4)	3.85	268.50	169.50
(d)	DB 10/IA (NB5)	6.00	268.50	169.50
(e)	AH/DC[1] (NB2)	-	123.00	46.00
(f)	AH/TT1 (NB4)	3.85	268.50	169.50
(g)	AH/IA1 (NB5)	6.00	268.50	169.50
(h)	DS/DC[2] (NB2)	-	123.00	46.00
(i)	DS/TT2[2] (NB4)	3.85	268.50	169.50
(j)	DS/IA2 (NB5)	6.00	268.50	169.50

2. Voice Grade Services

Facility interfaces are specified in the order of IC/End User

(a)	AB/AC (VG2)	.65	147.00	44.00
(b)	AB/SF (VG2)	-	141.50	38.50
(c)	AH/AC (VG2)[3,4]	.65	147.00	44.00
(d)	AH/DA (VG5, 6, 10 & 12)[4]	-	141.50	38.50
(e)	AH/DE (VG5)[4]	-	141.50	38.50
(f)	AH/DX (VG9)[4]	-	141.50	38.50
(g)	AH/DY (VG3, 7, & 8)[4]	-	141.50	38.50
(h)	AH/EA (VG3, 7, 8, & 9)[4]	2.75	160.50	57.50

[1] Requires intermediate DS1 to Voice multiplexor.
[2] Requires intermediate multiplexing.
[3] Requires intermediate DS1 to Voice multiplexor.
[4] Requires intermediate Group to Voice multiplexor.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(i)	AH/EB (VG3, 7, 8, & 9)[1]	$2.75	$160.50	$57.50
(j)	AH/GO (VG1)[1]	-	141.50	38.50
(k)	AH/GS (VG1, 3, & 7) [1]	-	141.50	38.50
(l)	AH/LA (VG2 & 7) [1]	2.60	156.50	53.50
(m)	AH/LB (VG2 & 7) [1]	1.75	151.00	48.00
(n)	AH/LC (VG2 & 7) [1]	.20	143.00	40.00
(o)	AH/LO (VG1, 2 & 7) [1]	-	141.50	38.50
(p)	AH/LR (VG2) [1]	3.70	156.50	53.50
(q)	AH/LS (VG1, 2, 5, 6, 7, 9, 10, & 12) [1]		141.50	38.50
(r)	AH/NO (VG1, 2, 5, 6, 7, & 9) [1]	-	141.50	38.50
(s)	AH/RV (VG3, & 7) [1]	-	141.50	38.50
(t)	AH/SF (VG2, 3, 7, 8 & 9)	-	141.50	38.50
(u)	AH/TF (VG11) [1]	-	141.50	38.50
(v)	DA/DA (VG10)	-	141.50	38.50
(w)	DB/DA (VG6, 10 & 12)	-	141.50	38.50
(x)	DB/NO (VG6)	-	141.50	38.50
(y)	DD/DE (VG5)	-	141.50	38.50
(z)	DS/AC (VG2) [1]	.65	147.00	44.00

[1] Requires intermediate Group to Voice multiplexor.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(aa)	DS/DA (VG5, 6, 10 & 12) [1]	$141.50	$38.50	$-
(bb)	DS/DE (VG5) [1]	-	141.50	38.50
(cc)	DS/DX (VG9) [1]	-	141.50	38.50
(dd)	DS/DY (VG3, 7, & 8) [1]	-	141.50	38.50
(ee)	DS/EA (VG3, 7, 8, & 9) [1]	2.75	160.50	57.50
(ff)	DS/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(gg)	DS/GO (VG1)[1]	-	141.50	38.50
(hh)	DS/GS (VG1, 3, & 7)[1]	-	141.50	38.50
(ii)	DS/LA (VG2 & 7)[1]	2.60	156.50	53.50
(jj)	DS/LB (VG2 & 7)[1]	1.75	151.00	48.00
(kk)	DS/LC (VG2 & 7)[1]	.20	143.00	40.00
(ll)	DS/LO (VG1, 2, & 7)[1]	-	141.50	38.50
(mm)	DS/LR (VG2)[1]	3.70	156.50	53.50
(nn)	DS/LS (VG2, 2, 3, 7, & 8)[1]	-	141.50	38.50
(oo)	DS/NO (VG1, 2, 5, 6, 7, & 9)[1]	-	141.50	38.50
(pp)	DS/RV (VG3 & 7)[1]	-	141.50	38.50

[1] Requires intermediate DS1 to Voice multiplexor.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(qq)	DS/SF (VG2, 3, 7, 8 & 9)[1]	$-	$141.50	$38.50
(rr)	DS/TF (VG11)[1]	-	141.50	-
(ss)	DX/DX (VG9)	-	-	38.50
(tt)	DX/DY (VG3, 7, & 8)	-	141.50	38.50
(uu)	DX/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(vv)	DX/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(ww)	DX/LA (VG2 & 7)	2.60	156.50	53.50
(xx)	DX/LB (VG2 & 7)	1.75	151.00	48.00
(yy)	DX/LC (VG2 & 7)	.20	143.00	40.00
(zz)	DX/LO (VG2 & 7)	-	141.50	38.50
(aaa)	DX/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(bbb)	DX/RV (VG3 & 7)	-	141.50	38.50
(ccc)	DX/SF (VG2, 3, 7, 8, & 9)	-	141.50	38.50
(ddd)	EA/AC (VG2)	65	147.00	44.00
(eee)	EA/DX (VG9)	-	141.50	38.50
(fff)	EA/DY (VG3, 7, & 8)	-	141.50	38.50
(ggg)	EA/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(hhh)	EA/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(iii)	EA/LA (VG2 & 7)	$2.60	$156.50	$53.50
(jjj)	EA/LB (VG2 & 7)	1.75	151.00	48.00
(kkk)	EA/LC (VG2 & 7)	.20	143.00	40.00
(lll)	EA/LO (VG2 &7)	-	141.50	38.50
(mmm)	EA/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(nnn)	EA/RV (VG3 & 7)	-	141.50	38.50
(ooo)	EA/SF (VG2, 3, 7, 8 & 9)	-	141.50	38.50
(ppp)	EB/AC (VG2)	.65	147.00	44.00
(qqq)	EB/DX (VG9)	-	141.50	38.50
(rrr)	EB/DY (VG3, 7, & 8)	-	141.50	38.50
(sss)	EB/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(ttt)	EB/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(uuu)	EB/LA (VG2 & 7)	2.60	156.50	53.50
(vvv)	EB/LB (VG2 & 7)	1.75	151.00	48.00
(www)	EB/LC (VG2 & 7)	.20	143.00	40.00
(xxx)	EB/LO (VG2 & 7)	-	141.50	38.50
(yyy)	EB/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(zzz)	EB/RV (VG3 & 7)	-	141.50	38.50

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination	
			First Service	Additional Service
(aaaa)	EB/SF (VG2, 3, 7, 8, & 9)	$-	$141.50	$38.50
(bbbb)	EC/DY (VG3, 7, & 8)	-	141.50	38.50
(cccc)	EC/EA (VG3, 7, & 8)	2.75	160.50	57.50
(dddd)	EC/EB (VG3, 7, & 8)	2.75	160.50	57.50
(eeee)	EC/SF (VG3, 7 & 8)	-	141.50	38.50
(ffff)	EX/GS (VG3 & 7)	-	141.50	38.50
(gggg)	EX/LA (VG2 & 7)	2.60	156.50	53.50
(hhhh)	EX/LB (VG2 & 7)	1.75	151.00	48.00
(iiii)	EX/LC (VG2 & 7)	-	143.00	40.00
(jjjj)	EX/LO (VG1, 2, & 7)	-	141.50	38.50
(kkkk)	EX/LR (VG2)	3.70	156.50	53.50
(llll)	EX/LS (VG1, 2, 3, & 7)	-	141.50	38.50
(mmmm)	EX/SF (VG1, 3, & 7)		141.50	38.50
(nnnn)	GO/GS (VG1, 3, & 7)	-	141.50	38.50
(oooo)	GO/SF (VG3 & 7)	-	141.50	38.50

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(pppp)	GS/GO (VG1)	$-	$141.50	$38.50
(qqqq)	LO/LS (VG1, 2, 3, 7, & 8)	-	141.50	38.50
(rrrr)	LO/SF (VG2, 3, & 7)	-	141.50	38.50
(ssss)	LR/LR (VG2)	3.70	156.50	53.50
(tttt)	LR/SF (VG2)	-	141.50	
(uuuu)	LS/LA (VG2 & 7)	2.60	156.50	53.50
(vvvv)	LS/LB (VG2 & 7)	1.75	151.00	48.00
(wwww)	LS/LC (VG2 & 7)	.20	143.00	40.00
(xxxx)	LS/LO (VG1, 2, & 7)	-	141.50	38.50
(yyyy)	LS/SF (VG2)	-	141.50	38.50
(zzzz)	NO/DA (VG6, 10, & 12)	-	141.50	38.50
(aaaaa)	NO/NO (VG1, 2, 5, 6, 7, & 9)	-	141.50	38.50
(bbbbb)	RV/RV (VG3 & 7)	-	141.50	38.50
(ccccc)	RV/SF (VG3 & 7)	-	141.50	38.50
(ddddd)	SF/AC (VG2)	.65	147.00	44.00
(eeeee)	SF/DX (VG9)	-	141.50	38.50
(fffff)	SF/DY (VG3, 7, & 8)	-	141.50	38.50

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

Facility interfaces are specified in the order of IC/End User (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(ggggg)	SF/EA (VG3, 7, 8, & 9)	$2.75	$160.50	$57.50
(hhhhh)	SF/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(iiiii)	SF/GS (VG1, 3, & 7)	-	141.50	38.50
(jjjjj)	SF/LA (VG2, & 7)	2.60	156.50	53.50
(kkkkk)	SF/LB (VG2 & 7)	1.75	151.00	48.00
(lllll)	SF/LC (VG2 & 7)	.20	143.00	40.00
(mmmmm)	SF/LO (VG1 & 2)		141.50	38.50
(nnnnn)	SF/LR (VG2)	3.70	156.50	53.50
(ooooo)	SF/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(ppppp)	SF/RV (VG3 & 7)	-	141.50	38.50
(qqqqq)	SF/SF (VG2, 3, 7, 8, & 9)	-	141.50	38.50
(rrrrr)	TF/TF (VG11)	-	141.50	38.50

3. Wideband Analog Services[1]

(a)	Facility Interfaces are specified in the order of IC/End User			
(b)	AH D/AH B (WA1)	-	-	-
(c)	AH C/AH B (WA1)	-	-	-
(d)	AH B/AH B (WA1)	-	-	-
(e)	AH C/AH C (WA2)	-	-	-
(f)	AH D/AH C (WA2)	-	-	-
(g)	AH D/AH D (WA2A)	-	-	-
(h)	WD 1/WA 1 (WA3)	-	-	-
(i)	WD 2/WA 1 (WA3)	-	-	-
(j)	WD 3/WA 2 (WA4)	-	-	-

[1] Wideband Analog Services will be rated and provided on an individual case basis.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

4. Wideband Digital Services[1]

Facility Interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(a)	WB 19S/WC 19 (WD1)	-	-	-
(b)	WB 18S/WC 18 (WD1)	-	-	-
(c)	WB 19A/WC 19 (WD1)	-	-	-
(d)	WB 50S/WC 50 (WD2)	-	-	-
(e)	WB 40S/WC 40 (WD2)	-	-	-
(f)	WB 50A/WC 50 (WD2)	-	-	-
(g)	WB 23S/WC 23S (WD3)	-	-	-
(h)	WB 23A/WC 23 (WD3)	-	-	-
(i)	WB 64/DU 56 (WD4)	-	-	-
(j)	DO/DU 56 (WD4)	-	-	-

5. Digital Data Access Services

Facility Interfaces are specified in the order of IC/End User

(a)	DU 24/DU 24 (DA1)	-	180.00	61.00
(b)	DS/DU 24[2] (DA1)	-	180.00	61.00
(c)	DU 48/DU 48 (DA2)	-	180.00	58.00
(d)	DS/DU 481 (DA2)	-	180.00	58.00
(e)	DU 96/DU 96 (DA3)	-	195.00	76.00
(f)	DS/DU961 (DA3)	-	195.00	76.00
(g)	DU 56/DU 56 (DA4)	-	210.00	90.00
(h)	DS/DU 56[3] (DA4)	-	210.00	90.00

[1] Wideband Digital Services will be rated and provided on an individual case basis.
[2] Digital Data Carrier Multiplexing Equipment is required.
[3] Digital Data Carrier Multiplexing Equipment is required.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

6. High Capacity Services

Facility Interfaces are specified in the order IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(a)	DS 15/DU (HC1)	$24.10	$287.93	$162.00
(b)	DS 31/DS 31 (HC1C)[1]	-	-	-
(c)	DS 31/DS 15 (HC1C)[2]	-	-	-
(d)	DS 63/DS 63 (HC2)2[,2]	-	-	-
(e)	DS 63/DS 15 (HC2)	-	-	-
(f)	DS 44/DS 44 (HC3)[2,3]	-	-	-
(g)	DS 44/DS 15 (HC3)[2]	-	-	-
(h)	DS 27/DS 27 (HC4)[2,3]	-	-	-
(i)	DS 27/DS 15 (HC4)[2]	-	-	-

B. Voice Grade Performance

1. Performance, Per two-point service or each section (i.e., midlink or end link) of a multipoint service.

(a)	VG1	$7.35	$53.00	$53.00
(b)	VG2	19.30	68.00	68.00
(c)	VG3	-	-	-
(d)	VG5	12.85	56.00	56.00
(e)	VG6	27.70	105.00	105.00
(f)	VG7	19.30	68.00	68.00
(g)	VG8	19.30	68.00	68.00
(h)	VG9	19.50	105.00	105.00
(i)	VG10	20.45	105.00	105.00
(j)	VG11	7.35	53.00	53.00
(k)	VG12	7.35	53.00	53.00

[1] Rates and Charges based on individual case will apply.
[2] Available only from an IC terminal location to another IC terminal location or to a Hub.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions

1. Multiplexing

a. DS4 to DS1 arrangement

(1) An arrangement that provides a 274.176 Mbps capacity to multiplex, on a digital time division basis, 168 DS1 channels. (available with HC4)

		Monthly Rate	Nonrecurring Charge
(a)	Per arrangement	$2,815.56	$1,465.73

b. DS3 to DS1 arrangement

(1) An arrangement that provides a 44.736 Mbps capacity to multiplex, on a digital time division basis, 28 DS1 channels. (available with HC3)

(a)	Per arrangement	299.92	370.68

c. DS2 to DS1 arrangement

(1) An arrangement that provides a 6.312 Mbps capacity to multiplex, on a digital time division basis, four DS1 channels. (available with HC2)

(a)	Per arrangement	99.92	182.96

d. DS1C to DS1 arrangement

(1) An arrangement that provides a 3.152 Mbps capacity to multiplex, on a digital time division basis, two DS1 channels. (available with HC1C)

(a)	Per arrangement	20.69	167.32

e. Group to DS1 arrangement[1]

(1) An arrangement that provides two group capacities (i.e., WA1T) to multiplex to a DS1 level. (Available with WA1T)

(a)	Per arrangement	-	-

f. DS1 to Voice arrangement

(1) An arrangement that provides a 1.544 Mbps capacity to multiplex, on a digital time division basis, 24 Voice or Digital Data[2] grade channels. (Available with HC1)

(a)	Per arrangement	103.24	151.68

[1] Rates and charges based on individual case will apply.
[2] Digital Data channels are only available from the serving wire center serving the Company designator digital Hub. Digital Data or DS1 is used only as a component of DA1-4.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

1. Multiplexing (Cont'd)

g. Group to Voice arrangement

(1) An arrangement that provides a Group capacity to multiplex, on a frequency division basis, 12 Voice grade channels. (Available with WA1)

		Monthly Rate	Nonrecurring Charge
(a)	Per arrangement[1]	$-	$-

h. Digital Data Multiplexing (Required with Digital Data Access service with DS facility interface at IC terminal location).

(1) Carrier Multiplexing Unit

- an arrangement that provides a 1.544 Mbps capacity to multiplex on a digital time division basis, 23 64 kbps channels.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Per Unit	$150.95	$140.47	$-
(2)	Carrier Multiplexing Plug-Ins			
(a)	Per 64 kbps channel equipped[1]	1.56	53.09	135.20
(3)	Carrier Sub-Multiplexing Unit: an arrangement that provides a 64 kbps capacity to multiplex on a digital time division basis, subspeed Digital Data Access Services.			
(a)	Twenty 2.4 kbps services	146.39	88.66	167.03
(b)	Ten 4.8 kbps services	75.45	70.88	151.12
(c)	Five 9.6 kbps services	52.45	70.88	151.12

[1] Required with DS1 to Digital Data channels hub multiplexing capability (MQ1)

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

2. Bridging

a. Narrowband Bridges

	Monthly Rate	Nonrecurring Charge
(1) Two-Wire Bridging (available with NB1-3)		
(a) Per Port	$-	$-
(2) Telegraph Bridging (available with NB4 and NB5)		
(a) Two Wire, per Port	-	-
(b) Four Wire, per Port	-	-
b. Voice Grade Bridges		
(1) Voice Bridging (available with VG2 & 12)		
(a) Two Wire, per Port	30.80	102.00
(b) Four Wire, per Port	30.80	102.00
(2) Data Bridging (available with VG5, 6, & 10)		
(a) Two Wire, per Port	$9.10	$58.00
(b) Four Wire, per Port	9.10	58.00
(3) Telephoto Bridging (available with VG11)		
(a) Two Wire, per Port	30.80	102.00
(b) Four Wire, per Port	30.80	102.00
(4) Telemetry and Alarm Bridging (Available with VG5)		
Split Band, Active Briding		
(a) Channel Connections, per channel connected, Remote station channel connection, each	2.60	17.00
Passive Bridging		
(b) Channel Connections, per channel connected1	2.60	17.00
Summation, Active Bridging		
(c) Channel Connections, per channel connected[1]	2.60	17.00
c. Digital Data Access Bridges (available with DA1-4)		
(1) Central Office Bridge		
(a) Per Port	7.72	10.45

[1] Rates and charges based on individual case will apply.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

3. Digital Data Secondary Channel Capability

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Per Digital Data Access Connection and Special Access Line, each	$15.00	$-	$485.00

D. Optional Features and Functions-Voice Grade Services

1. Conditioning

Conditioning provides more specific transmission characteristics for data or telephoto services. There are two types of data conditioning, C-Type and DA-Type. C-Type conditioning controls attenuation distortion and envelope delay distortion; DA-Type conditioning controls the signal to C-notched noise ratio and intermodulation distortion. Telephoto conditioning controls attenuation distortion and envelope delay distortion.

Conditioning is charged for on a per two-point service or each section (i.e., midlink or end link) of a multi-point basis. The parameters listed for each type of conditioning apply from point of interface to network interface. For two-point services the parameters apply to each service. For multipoint services, the parameters apply to any path between any two service terminal points. C-Type and DA-Type conditioning are available only for data services. C-Type and DA-Type conditioning may be combined on the same service.

Telephoto conditioning is available only for VG11 services.

a. C-Type Conditioning

(1) For the additional control of attenuation distortion and envelope delay distortion on data services.

(2) Attenuation Distortion (Frequency Response) Relative to 1004 Hz

Frequency Range (Hz)	Variation (dB)
400-2800	1.0 to 2.0
300-3000	1.0 to 3.0
300-3200	2.0 to 6.0

(3) Envelope Delay Distortion

Frequency Range (Hz)	Variation (micro seconds)
1000-2600	100
600-2600	300
500-2800	600

(4) C-Type Conditioning is available in VG6, 7 & 10.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	C Type Conditioning, Per Two point Service or each section (i.e., midlink or end link) of a multipoint service.	$1.80	$9.00	$213.00

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions Voice Grade Services (Cont'd)

1. Conditioning (Cont'd)

b. DA-Type Conditioning

(1) For the control of signal to C-notched noise ratio and intermodulation distortion on data services. DA-Type conditioning is available for two-point services or three point multipoint services.

(2) The signal to C-notched noise ratio and intermodulation distortion parameters for DA-Type conditioning are:

Signal to C-Notched Noise Ratio 32 dB

(3) Intermodulation distortion:

Signal to second order modulation products (R2) is equal to or greater than 38 dB.
Signal to third order modulation products (R3) is equal to or greater than 42 dB.

(4) When a service equipped with DA-Type conditioning is used for voice communications, the quality of the voice transmission may not be satisfactory.

(5) DA-Type Conditioning is available with VG6, 7 and 10.

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a) DA Type Conditioning, Per Two Point Service or each section (i.e., mid link or end link) of a multipoint service.	$15.00	$372.00	$576.00

c. Telephoto Conditioning

(1) For the control of attenuation distortion and envelope delay distortion on telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Conditioning are:

Attenuation Distortion
(1004 Hz Reference)

Frequency Range (Hz)	Variation (db)
500 3000	0.5 to +1.5
300 3200	1.0 to +2.5

Envelope Delay Distortion

Frequency Range (Hz)	Variation (mcs)
1000 2600	110
800 2800	180

(2) Telephoto Conditioning is available with VG11 only.

(a) Telephoto Conditioning, Per Two Point Service or each section (i.e., midlink or end link) of a multipoint service	-	-	-

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

D. Optional Features and Functions Voice Grade Services (Cont'd)

2. Improved return loss for effective two-wire transmission at the end user's premises

a. Available with VG2, 3 and 7

(1) This option is applicable to all interfaces except E&M, SF & DX when the impedance code 2 is specified. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Improved Return Loss, Per end user, premises per service which this option is available.	$1.95	$13.59	$39.80

3. Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Improved Return Loss, Per IC terminal location, per service	$1.95	$24.68	$50.89

4. IC specified end user premises receive level within a range acceptable to the Company on effective four-wire transmission. (Available with VG2, 3, 7, 8 & 9)

(a)	Specified receive level, per end user premises, per service	-	9.63	35.84

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

E. Optional Features and Functions - Dedicated Access Line Service

1. Two-Wire Improved Voice Transmission Parameters:

(the guaranteed levels are set forth in 7.2.1.F.4.b. preceding)

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a) Per service	$6.43	$11.04	$460.89

2. Four-Wire Improved Voice Transmission Parameters:

(the guaranteed levels are set forth in 7.2.1.F.4.c. preceding)

(a) Per service	6.43	11.04	460.89

F. Optional Features and Functions - Digital Data Access Services

1. Loop Transfer Arrangement

a. An arrangement that affords the end user an additional measure of protection to its access channel(s) on a 1 x N basis. This arrangement is only available from a Company designated digital hub. A key activated control service is required to operate the transfer arrangement. This control service must be separately ordered.

(1) Available with DA1, 2, 3 and 4.

(a) Transfer Arrangement, each	16.92	87.96	186.33

G. Optional Features and Functions - High Capacity Services

1. Automatic Protection Switching

a. Switching equipment placed at both ends of a duplicate standby service to automatically switch the standby service to the active state in the event of service failure. Duplicate 1.544 Mbps Service must also be ordered.

(1) Available with HC1.

(a) Per Arrangement	281.15	68.27	159.66

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines

A. Two-Wire[1]

1. For use with NB1-5, VG1-12 and AP1-4

		Monthly Rate
(a)	Two Wire Special Access Line, each	$13.05

2. For use with Dedicated Access Line Service

		Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a)	Two wire Special Access Line, each	$34.00	$141.00	$64.00

B. Four-Wire[1]

1. For use with NB4-5, VG1-12 and DA1-4

		Monthly Rate
(a)	Four Wire Special Access Line, each	$26.10

2. For use with Dedicated Access Line Service

		Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a)	Four wire Special Access Line, each	$45.00	$157.00	$80.00

C. Group[1,2]

1. For use with WA1

		Monthly Rate
(a)	Group Special Access Line, each	$-

D. 20 kHz[1,2]

1. For use with WA3

(a)	20 kHz Special Access Line, each	-

[1] See 7.4.2 preceding for application of Special Access Service Surcharge.
[2] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines (Cont'd)

E. 13 kHz[1,2]

1. For use with WA4

		Monthly Rate
(a)	13 kHz Special Access Line, each	$-

F. 19.2 kbps[1,2]

1. For use with WD1

(a)	19.2 kbps Special Access Line, each	-

G. 50 kbps[1,2]

1. For use with WD2

(a)	50 kbps Special Access Line, each	-

H. 230.4 kbps[1,2]

1. For use with WD3

(a)	230.4 kbps Special Access Line, each	-

I. 56 kbps[1,2]

1. For use with WD4

(a)	56 kbps Special Access Line, each	-

J. **L.** DS1 - 1.544 Mbps[1]

1. For use with HC1

(a)	DS1 1.544 Mbps Special Access Line, each	110.83

K. DS1C - 3.152 Mbps[1,2]

1. For use with HC1C

(a)	DS1C 3.152 Mbps Special Access Line, each	-

L. DS2 - 6.312 Mbps[1,2]

1. For use with HC2

(a)	DS2 6.312 Special Access Connection, each	-

M. DS3 - 44.736 Mbps[1,2]

1. For use with HC3

(a)	DS3 44.736 Mbps Special Access Line, each	-

[1] See 7.4.2 preceeding for application of Special Access Service Surcharge.
[2] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines (Cont'd)

N. DS4 - 274.176 Mbps[1],[2]

1. For use with HC4

(a)	DS4 274.176 Mbps Special Access Line, each	-

O. Optional Feature

1. Hybrid

Provides conversion from four-wire SAL to two-wire termination at end user premises. Required to meet effective four-wire performance with a two-wire end user premises facility interface.

		Monthly Rate	Nonrecurring Charge
(a)	Hybrid, each	$-	$-

P. Special Access Service Surcharge[1]

1. Per voice equivalent channel (non DAL), billed to the IC

		Monthly Rate
(a)	each	$25.00

2. Per DAL, billed to the IC

(a)	each	-

22.4.5 Voice Grade Service

A. Channel Termination

1. Per Point of Termination

		Monthly Rate	Nonrecurring Charge
(a)	Two Wire	$33.12	$223.24
(b)	Four Wire	46.81	223.24

B. Channel Mileage

1. Mileage Facility

(a)	Per Mile	2.41	-

2. Mileage Terminal

(a)	Per Terminal	14.09	-

[1] See 7.4.2 preceding for application of Special Access Service Surcharge.
[2] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

C. Optional Features and Functions

1. Bridging

a. Two-Wire/Four-Wire

(1) Per Port

		Monthly Rate	Nonrecurring Charge
(2)			
(a)	Two Wire	$4.33	$-
(b)	Four Wire	4.33	-

b. Data Bridging, Two-Wire/Four-Wire

(1)	Per Port		
(a)	Two Wire	4.33	-
(b)	Four Wire	4.33	-

c. Telephoto Bridging, Two-Wire/Four-Wire

(1)	Per Port		
(a)	Two Wire	4.33	-
(b)	Four Wire	4.33	-

d. Addressable Arrangement

(1)	Per channel connected		
(a)	Two Wire	25.80	-
(b)	Four Wire	131.35	-

e. Telemetry/Alarm Bridging Service (TABS) Bridging

(1)	Per channel connected		
(a)	Split Band	9.12	-
(b)	Summation	1.55	-
(c)	Passive	0.23	-

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

C. Optional Features and Functions (Cont'd)

2. Conditioning, Per Terminal

	Monthly Rate	Nonrecurring Charge
(a) C Type	$6.45	$
(b) Sealing Current	-	-
3. Improved Return Loss		
(1) Per Terminal		
(a) Two Wire	1.91	-
(b) Four Wire	1.91	-
4. Customer Specified Receive Level, Per Terminal		
(a) Two Wire		
5. Multiplexing, Voice to Telegraph		
(a) Per Arrangement	245.68	-
6. Data Capability		
(a) Per Terminal	1.44	247.03
7. Telephoto Conditioning		
(a) Per Terminal	3.19	247.03
8. Signaling Capability		
(a) Per Terminal	14.89	-
9. Selective Signaling Arrangement		
(a) Per Arrangement	15.92	-
10. Transfer Arrangement		
(a) Key Activated or Dial up, Per Four Port Arrangement	3.41	-

D. Public Packet Switching Network (PPSN)

1. Interface Arrangement

(a) Per Arrangement[1]

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.6 Video Service

A. Channel Terminal

1. Per Terminal

		Monthly Rates	Daily Rates	Nonrecurring Charges Monthly	Daily
(a)	TV 1 or 2	$436.39	$240.01	$-	$-
(b)	4TV 5	425.75	234.16	-	-
(c)	6TV 5	452.39	248.81	-	-
(d)	TV 15	469.48	258.27	-	-

B. Channel Mileage

1. Facility

(a)	TV 1 or 2	399.69	-	219.83	-
(b)	4TV 5	399.69	-	219.83	-
(c)	6TV 5	399.69	-	219.83	-
(d)	TV 15	399.69	-	219.83	-

2. Per Terminal, Each

(a)	Over 0 to 4	425.71	-	234.14	-
(b)	Over 4 to 8	425.71	-	234.14	-
(c)	Over 8 to 25	425.71	-	234.14	-
(d)	Over 25 to 50	425.71	-	234.14	-

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.7 Digital Data Access Service

A. Channel Terminal

1. Per Terminal

		Monthly Rate	Nonrecurring Charge
(a)	2.4 Kbps	$105.97	$311.64
(b)	4.8 Kbps	105.97	311.64
(c)	9.6 Kbps	105.97	311.64
(d)	56.0 Kbps	105.97	311.64

B. Channel Mileage

1. Facility, Per Mile

(a)	2.4 Kbps	2.41	-
(b)	4.8 Kbps	2.41	-
(c)	.6 Kbps	2.41	-
(d)	56.0 Kbps	2.41	-

2. Terminal, Each

(a)	2.4 Kbps	14.09	-
(b)	4.8 Kbps	14.09	-
(c)	9.6 Kbps	14.09	-
(d)	56.0 Kbps	14.09	-

C. Optional Features and Functions

1. Bridging

(a)	Per Port	26.93	-

2. Loop Transfer Arrangement (Key Activated or Dial-up)

(a)	Per Four Port Arrangement	6.75	-

D. Public Packet Switching Network (PPSN)

1. Interface Arrangement

(a)	Per 9.6 Kbps[1] Arrangement	-	-
(b)	Per 56.0 Kbps[1] Arrangement	-	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.7 Digital Data Access Service (Cont'd)

E. Channel Service Unit

1. Per Terminal

		Monthly Rate	Nonrecurring Charge
(a)	2.4 Kbps	$18.60	$-
(b)	4.8 Kbps	19.88	-
(c)	9.6 Kbps	20.85	-
(d)	56.0 Kbps	21.73	-

22.4.8 High Capacity Service

A. Channel Terminal

1. Per Terminal

(a)	1.544 Mbps	271.17	381.10
(b)	3.152 Mbps[1]	-	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

B. Channel Mileage

1. Facility, Per Mile

(a)	1.544 Mbps	1.29	-
(b)	3.152 Mbps	31.91	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

2. Terminal, Each

(a)	1.544 Mbps	17.77	-
(b)	3.152 Mbps	178.15	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.8 High Capacity Service (Cont'd)

C. Optional Features and Functions

1. Multiplexing

a. DS4 to DS1

(1) Per Arrangement

	Monthly Rate	Nonrecurring Charge
(a) Each[1]	$ -	$ -
(b) DS3 to DS1	-	-
(2) Per Arrangement		
(a) Each[1]	-	-
b. DS2 to DS1		
(1) Per Arrangement		
(a) Each[1]	-	-
c. DS1C to DS1		
(1) Per Arrangement		
(a) Each[1]	-	-
d. DS1 to Voice		
(1) Per Arrangement		
(a) Each	360.44	-
e. DS1 to DS0		
(1) Per Arrangement		
(a) Each	624.91	-
f. DS0 to Subrates		
(1) Per Arrangement		
(a) Up to 20 2.4 Kbps services	511.06	-
(b) Up to 10 4.8 Kbps services	263.41	-
(c) Up to 5 9.6 Kbps services	183.12	-
2. Automatic Loop Transfer		
(a) Per Arrangement	440.03	-
3. Transfer Arrangement		
(a) Key Activated or Dial up, Per Four Port Arrangement	187.03	

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.8 High Capacity Service (Cont'd)

C. Optional Features and Functions (Cont'd)

4. Network Channel Terminating Equipment, Per Terminal

(a)	1.544 Mbps	96.02	-
(b)	Automatic Loop Transfer	1,013.35	-

22.4.9 Transfer of Service

A. Service Rearrangements

1. Special Access Circuits

		Nonrecurring Charge
(a)	Per Billing Account Number	$140.00
(b)	Per circuit	7.00

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges

22.5.1 Charges for Additional Engineering

1. Engineering Consultation and Engineering of Connections with other telephone companies (if not Concurring Carriers):

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic time, regularly scheduled work hours, Per Engineer	$66.00	$39.79
(b)	Overtime, outside of regularly scheduled work hours, Per Engineer	73.41	47.20

22.5.2 Charges for Additional Labor

A. The charges for additional labor are as follows:

1. Overtime Installation or Repair

(a)	Overtime, outside of regularly scheduled working hours on a scheduled work day,[1] Per Technician	29.31	3.10

2. Stand by, Testing and Maintenance with other telephone companies (if not Concurring Carriers) or Other Labor

(a)	Basic time, regularly scheduled working hours, per Technician	-	17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day[1], per Technician	-	21.01
(c)	Premium time, outside of scheduled work day[1], per Technician	-	24.12

[1] A call out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.2 Charges for Additional Labor (Cont'd)

A. (Cont'd)

3. Other Labor (or Testing and Maintenance with other telephone companies, if they are not Concurring carriers)

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic Time regularly scheduled working hours, per technician	$44.12	$17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day, [1] per technician	47.22	21.01
(c)	Premium Time, outside of scheduled work day,[1] Per Technician	50.33	24.12

22.5.3 Maintenance of Services

A. The maintenance of service charges are as follows:

1. The charges for maintenance of service are as follows:

(a)	Basic time, regularly scheduled working hours, per technician	44.12	17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day, per technician[1]	47.22	21.01
(c)	Premium time, outside of scheduled work day, per technician1	50.33	24.12

22.5.4 Restoration Priority

		Nonrecurring Charge
(a)	Restoration Priority, per Service arranged	$104.02

[1] A call out of a Company employee at a time not consecutive with the employee's scheduled work period subject to a minimum charge of four hours.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.5 Presubscription

A. The nonrecurring charge for Presubscription is as follows:

1. Presubscription, per Telephone Exchange Service line or trunk

		Nonrecurring Charge
(a)	Each[1,2]	$5.00

22.5.6 Testing Service

1. Switched Access

a. Additional Cooperative Acceptance Testing

(1) Testing Rates, per technician

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic Time (Regularly scheduled work hours.)	$43.75	$17.54
(b)	Overtime (Outside regularly scheduled work hours on a scheduled work day.)	47.02	20.81
(c)	Premium Time (Outside scheduled work day.)[3]	50.29	24.08

b. Automatic Scheduled Testing (AST)

(1) To first point of switching, per test ordered, per year

		Monthly Rate
(a)	1004 Hz Loss[4,5,6] per transmission path	$0.06
(b)	C Message Noise [4,5,6] per transmission path	0.06
(c)	Return Loss (Balance) [4,5,6] per transmission path	0.06
(d)	Gain Slope4 per transmission path	0.06
(e)	C Notched Noise, per transmission path	0.06

[1] This charge is billed to the end user which is the subscriber to the telephone exchange service.
[2] This charge is billed when the pre-designated IC is an intrastate IC. If the IC is an interstate/intrastate carrier then this rate will apply in lieu of the same rate in the appropriate interstate tariff.
[3] A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.
[4] The IC may specify a more frequent schedule of tests, 60 days prior to the start of the IC prescribed schedule.
[5] These three test represent the minimum offering, i.e., an order for testing must at a minimum, consist of twelve 1004Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The additional test listed may be ordered by the IC at additional charges, 60 days prior to the start of the IC presubscribed schedule.
[6] Subject to a one year minimum contract period.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

1. Switched Access (Cont'd)

c. Cooperative Scheduled Testing (CST)

(1) To first point of switching, per test ordered, per year

		Monthly Rate
(a)	1004 Hz Loss,[4,5,6] per transmission path	0.34
(b)	C Message Noise,[4,5,6] per transmission path	0.25
(c)	Return Loss (Balance), [4,5,6] per transmission path	0.55
(d)	Gain Slope, per transmission path	0.34
(e)	C Notched Noise, per transmission path	0.25

d. Manual Scheduled Testing (MST)

(1) To first point of switching, per test ordered, per year

(a)	1004 Hz Loss,[1,2,3] per transmission path	0.90
(b)	C Message Noise, [1,2,3] per transmission path	0.59
(c)	Return Loss (Balance), [1,2,3] per transmission path	1.20
(d)	Gain Slope, per transmission path	0.90
(e)	C Notched Noise, per transmission path	0.59

e. Nonscheduled Testing (NST)

(1) Cooperative Testing:

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic, regularly scheduled work hours, per technician	$43.75	$17.54
(b)	Overtime, outside regularly scheduled work hours on a scheduled work day, per technician	47.02	20.81
(c)	Premium, outside scheduled work day, per technician[4]	50.29	24.08

[1] The IC may specify a more frequent schedule of tests, 60 days prior to the start of the IC prescribed schedule.
[2] These three test represent the minimum offering, i.e., an order for testing must at a minimum, consist of twelve 1004Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The additional test listed may be ordered by the IC at additional charges, 60 days prior to the start of the IC presubscribed schedule.
[3] Subject to a one year minimum contract period.
[4] A call-out of a Company employee at a time no consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

1. Switched Access (Cont'd)
   e. Nonscheduled Testing (NST) (Cont'd)
      (2) Manual Testing

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic, regularly scheduled work hours, per technician	$43.93	$17.72
(b)	Overtime, outside regularly scheduled work hours on a scheduled work day, per technician	47.12	20.91
(c)	Premium, outside scheduled work day, per technician[1]	50.31	24.10

(3) Automatic Testing, to first point of switching, per test performed:

		Rate
(a)	1004 Hz Loss	$12.44
(b)	C Message Noise	12.44
(c)	Return Loss (Balance)	12.44
(d)	Gain Slope	12.44
(e)	C Notched Noise	12.44

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

2. Special Access

a. Additional Cooperative Acceptance Testing (ACAT)

(1) Applies to the following tests:

VG1 through 3: Attenuation Distortion, C-Message Noise and Balance (Return Loss)

VG6 through 12: Attenuation Distortion, C-Message Noise, Balance (Return Loss), Impulse Noise, Phase Jitter, Intermodulation Distortion, Envelope Delay Distortion and Frequency Shift

	First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a) Basic time, regularly scheduled work hours, per technician	$44.12	$17.91
(b) Overtime, outside or regularly scheduled work hours on a scheduled work day, per technician	47.22	21.01
(c) Premium time, outside of scheduled work day, per technician[1]	50.33	24.12

b. Nonscheduled Testing (NST)

(1) Testing Rates, per technician

(a) Basic time (Regularly scheduled work hours)	44.12	17.91
(b) Overtime (Outside regularly scheduled work hours on a scheduled work day)	47.22	21.01
(c) Premium time (Outside scheduled work day)[1]	50.33	24.12

22.5.7 Provision of Access Service Billing Information

1. Provision of Standard Billing Detail and/or Information is in paper or electronic format.

	Rate
(a) Per bill	$ -

2. Additional copies of IC monthly bill or service and features record in standard paper or electronic format

(a) Per bill	-

[1] A call-out of a Company employee at a time no consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.8 Equal Access Subscription

A. The nonrecurring charges for a change in IntraLATA Subscription are as follows:

1. Subscription change when not performed simultaneously with interLATA PIC change to the same carrier, per line or trunk

		Nonrecurring Charge
(a)	billed to the end user or pay telephone location provider or its authorized agent	$5.00
(b)	billed to the end user or pay telephone location provider or its authorized agent	1.25

2. Subscription change when performed simultaneously with the interLATA PIC change to the same carrier, per line or trunk

(a)	billed to the end user or pay telephone location provider or its authorized agent	5.00
(b)	billed to the end user or pay telephone location provider or its authorized agent	0.62

B. The nonrecurring charge for an unauthorized change in IntraLATA Subscription is as follows:

1. Unauthorized Subscription Change

(a)	per business or residence line or trunk[1]	19.41
(b)	billed to the end user or pay telephone location provider or its authorized agent	0.62

[1] If an unauthorized change in IntraLATA and InterLATA Subscription occurs at the same time, on the same Business, Residence line or trunk, and the Subscribed IC is the same IC for IntraLATA and InterLATA Subscription, the IC will be assessed one unauthorized Subscription charge as provided in the National Exchange Carrier Association's Tariff FCC No. 5, Section 17.4.4. In addition, the IC will be assessed the applicable PIC change charge for returning the end user or location provider or its authorized agent to their preferred intraLATA subscribed IC as provided in 22.5.7.A. preceding. Additionally, the applicable PIC change charge, as provided in National Exchange Carrier Association's Tariff FCC No. 5, Section 17.4.4 will be assessed to the IC to return the end user or location provider or its authorized agent to their previous authorized carrier.

22. RATES AND CHARGES – Wilkes Telephone Membership Corporation

22.6 IntraLATA Toll Originating Responsibility Plan (ITORP)

A. Access compensation rates, IntraLATA toll DA and Billing and Collection rates are specified following. For other applicable access charges, refer to the intrastate switched access charges specified in the applicable Access Tariff on file for the terminating LEC.

1. IntraLATA Toll

		Rate
(a)	Directory Assistance, per call	$1.0000
(b)	Billing and Collection, per message	0.0666

B. Network Compensation Rates

(a)	Rates Per Minute of Use	0.001963

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

Yadkin Valley Telephone Membership Corporation concurs with the provisions of the John Starulakis, Inc.Tariff F.C.C. No. 1 Interstate Switched Access Services, for the provision of Intrastate Switched Access Services, with the exception that different rates applicable for Originating Switched Access services, will be found in this document.

22.1 RESERVED FOR FUTURE USE

22.2 Ordering Options for Switched Access and Special Access Service

			Nonrecurring Charge
(1)	Service Date Change		
	(a)	Service Date Change Charge, per Order	$26.21
(2)	Other Modification Change		
	(a)	Per Order	26.21
(3)	Planned Facilities Order Modification Charge		
	(a)	Per Order	26.21

22.3 Switched Access Service

22.3.1 Minimum Monthly Usage Charge (MMUC)

A. The Minimum Monthly Usage Charge (the minimum transport charge) varies by mileage band and capacity.

The MMUC is as follows:

Mileage Bands		Minimum Transport Charge per BHMC[1]
(a)	0 to 1	$0.3300
(b)	Over 1 to 8	0.7575
(c)	Over 8 to 16	0.8775
(d)	Over 16 to 25	0.9450
(e)	Over 25 to 50	1.5225
(f)	Over 50 to 100	2.1225
(g)	Over 100	3.3975

[1] BHMC is the Access Connections busy hour minutes of capacity provided to the end office.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.2 Access Connections

A. Installation of New Service

1. Feature Group A

		Nonrecurring Charge
(a)	Per First Line	$640.00
(b)	Each Additional Line	135.00

2. Feature Groups B, C and D

(a)	Per First Trunk or Signaling Connection	915.00
(b)	Each Additional Trunk or Signaling Connection	272.00

3. Interface Groups

(a)	Group 1, Two-Wire path with Loop signaling	-
(b)	Group 2, Four-Wire path with Loop signaling	-
(c)	Group 6, DS1 level path with Bit Stream signaling	-
(d)	Group 7, DS1C level path with Bit Stream signaling	-
(e)	Group 8, DS2 level path with Bit Stream signaling	-
(f)	Group 9, DS3 level path with Bit Stream signaling	-
(g)	Group 10, DS4 level path with Bit Stream signaling	-

B. Interface Group Non-chargeable Optional Features

1. Supervisory Signaling

a. DX Supervisory Signaling arrangement
Per Transmission Path[1]

b. SF Supervisory Signaling arrangement
Per Transmission Path[2]

c. E&M Type I Supervisory Signaling arrangement
Per Transmission Path[1]

d. E&M Type II Supervisory Signaling arrangement
Per Transmission Path

e. E&M Type III Supervisory Signaling arrangement
Per Transmission Path[3]

[1] Available with Interface Groups 1 and 2.
[2] Available with Interface Groups 2 and 6 and 7
[3] Available with Interface Group 2 for FGC and FGD.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.2 Access Connections (Cont'd)

A. Interface Group Non-chargeable Optional Features (Cont'd)

1. Supervisory Signaling (Cont'd)

f. Tandem Supervisory Signaling arrangement

Per Transmission Path[1]

2. IC Specified Entry Switch Receive Level

a. IC specification of the receive transmission level at the first point of switching within a range acceptable to the Company[2]

Per Transmission Path

C. Network Blocking Charge, applies to FGD only.

		Rate
(a)	Per call blocked	$0.0076

22.3.3 Local Transport

A. Call Miles

(1) Usage Rate per Access Minute

		Per Access Minute
(a)	0 to 1	$0.00440
(b)	Over 1 to 8	0.01010
(c)	Over 8 to 16	0.01170
(d)	Over 16 to 25	0.01260
(e)	Over 25 to 50	0.02030
(f)	Over 50 to 100	0.02850
(g)	Over 100	0.04530

B. Options

1. Provision of other than Company Selected

Traffic Routing (available with FGB, FGC and FGD)

a. Direct Trunking in lieu of Tandem Trunking

Per Transmission Path[3]

b. Tandem Trunking in lieu of Direct Trunking

Per Transmission Path[4]

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[1] Available with Interface Group 2 for FGA.
[2] Available with Interface Groups 2 through 7 for FGA and FGB.
[3] Rates and charges based on individual cases will apply.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.3 Local Transport (Cont'd)

A. Interface Group Non-chargeable Optional Features (Cont'd)

2. IC Specification of Feature Group Directionality (Available with FGB, FGC, FGD and FGE)[1]

   a. One Way Operation in lieu of Two Way Operation[4]

   b. Two Way Operation in lieu of One Way Operation[4]

3. IC Specification of a Local Transport Termination (Available with FGB with Type B Transmission Performance)

   a. Four Wire Termination in lieu of Two Wire Termination[4]

22.3.4 End Office

A. Local Switching

1. Per Access Minute (Includes Line Termination and Intercept)

		Rate Per Access Minute
(a)	Per Originating Access Minute of use	$0.022661
(b)	Per Terminating Access Minute of use	*JSI Tariff Concurrence*

2. Common Switching Nonchargeable Optional Features

   a. Call denial on line or hunt group, available with FGA

      Per Transmission Path or Transmission Path Group

   b. Service Code Denial on line or hunt group, available with FGA

      Per Transmission Path or Transmission Path Group

   c. Hunt Group Arrangement, available with FGA

      Per Transmission Path Group[2]

   d. Uniform Call Distribution Arrangement, available with FGA

      Per Transmission Path Group[1]

   e. Nonhunting Numbers for use with Hunt Group Arrangements or U.C.D.

      Arrangement available with FGA
      Per Transmission Path

   f. Automatic Number Identification, available with FGB, FGC and FGD

      Per Transmission Path Group[1]

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[1] For FGC this option is available only in electronic end offices.
[2] Optional features on an end office and/or access tandem basis are available only on an entire transmission path group.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

A. Local Switching (Cont'd)

2. Common Switching Nonchargeable Optional Features (Cont'd)

g. Up to 7 Digit Outpulsing of Access Digits to IC, available with FGB

Per Transmission Path Group[1]

h. Dial Pulse Address Signaling, available with FGC

Per Transmission Path Group

i. Service Class Routing, available with FGC and FGD

Per End Office and/or Access Tandem

j. Alternate Traffic Routing, Multiple Customer Premises Alternate Routing available with FGB, FGC and FGD

Per End Office and/or Access Tandem

k. End Office Alternate Routing, when ordered in trunks, available with FGB and FGD,

Per End office and/or Access Tandem

l. Trunk Access Limitation Arrangement, available with FGC and FGD

Per End Office

m. Call Gapping Arrangement, available with FGD

Per End Office

n. Band Advance Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path Group[1]

o. End Office Customer Line Service Screening on Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path

p. Hunt Group Arrangement for Dedicated Access Lines Service, available with FGC and FGD

Per Transmission Path Group

q. Uniform Call Distribution Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path Group

r. Nonhunting Number for use with Hunt Group Arrangement or U.C.D. Arrangement for Dedicated Access Line Service, available with FGC and FGD

Per Transmission Path

[1] Optional features on an end office and/or access tandem basis are available only on an entire transmission path group.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

A. Local Switching (Cont'd)

3. Transport Termination Nonchargeable Options

a. Line Side Terminations for FGA

(1) Two Way Operation

-Dial Pulse with Loop Start
-Dial Pulse with Ground Start
-DTMF with Loop Start
-DTMF with Ground Start

(2) Terminating Operation

-Dial Pulse with Loop Start
-Dial Pulse with Ground Start
-DTMF with Loop Start
-DTMF with Ground Start

(3) Originating Operation

-Loop Start
-Ground Start

b. Standard Trunk for Originating, Terminating or Two Way operation, available with FGB, FGC and FGD

c. Rotary Dial Station Signaling Trunk, available with FGB

d. Operator Trunk, Non Coin available with FGC also available with FGC or FGD when used in conjunction with Operator Transfer Service

e. Operator Trunk, Full Feature Arrangement, available with FGD

B. Line Terminations

1. Common Line and Dedicated Access Line Service Terminations

		Rate
(a)	Per Originating Minute of use	$-
(b)	Per Terminating Minute of use	-

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.4 End Office (Cont'd)

C. Intercept

1. Intercept Charge

	Rate
(a) Per 100 Access Minutes[1]	$0.015772

D. 800 Access Service

1. IC Identification Charge

(a) Per 100 calls[2]	-

22.3.5 800 Access Ten Digit Screening Service

A. 800 Access Ten Digit Screening Service

1. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with 800 Number Delivery

(a) Per Query	-

2. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with 800 Number Delivery for 800 Numbers with Optional Complex Feature, i.e., Call Handling and Destination Features

(a) Per Query	-

3. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with POTS Number Delivery

(a) Per Query	0.0043

4. Per 800 Call Utilizing 800 Access Ten Digit Screening Service with POTS Number Delivery for 800 Numbers with Optional Complex Feature, i.e., Call Handling and Destination Features

(a) Per Query	0.0047

[1] Applies to all Access Minutes.
[2] The rate for the 800 Access Service (NXX Plan) is subject to change upon the approval of the 800 Access Service Data Base Plan.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.6 Service Rearrangements

		Rate
A.	Change of Service	
	1. Submitted on the Same ASR[1]	
	(a) Per Request	$92.00
B.	Feature Group A	
	1. Line Side Service	
	(a) Per transmission path[2]	10.00
C.	Feature Groups B, C and D	
	1. Trunk Side Service	
	(a) Per transmission path[2]	5.00
D.	Common Block	
	1. Translations Related	
	(a) Per End Office and Tandem Office Affected[2]	90.00
E.	500 Access Service	
	1. Change in dialing capability	
	(a) Per NXX Per End Office and Tandem Office affected[2]	15.00

22.3.7 Transfer of Service

A.	Transfer of Service	
	1. Billing Account Number	
	(a) Each	170.00
B.	Feature Group A	
	1. Line Side Service	
	(a) Per Transmission Path[3]	7.00
C.	Feature Groups B, C and D	
	1. Trunk Side Service	
	(a) Per Transmission Path[3]	8.00

[1] Services requested on multiple ASRs will be treated as one request when requirements, as specified in 6.1.7, are met.
[2] This charge is in addition to that set forth in 22.3.6.A.
[3] This charge is in addition to that set forth in 22.3.7.A.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.8 500 Access Service

A. 500 Access Service

1. 500 Customer Identification

		Rate
(a)	Per Call	$0.01

2. Service Activation Charge - Per Company End Office Switch or Access Tandem in which translations are required

		Nonrecurring Charge
(a)	First NXX Code Submitted on ASR	40.00
(b)	Additional NXX Code submitted on ASR	20.00

22.3.9 Local Transport

A. Premium

1. Local Transport Termination

		Rate
(a)	Per Originating Access Minute of use	-
(b)	Per Terminating Access Minute of use	-

2. Local Transport Facility

(a)	Per Mile, Per Originating Access Minute of use	-
(b)	Per Mile, Per Terminating Access Minute of use	-

22.3.10 End Office

A. Local Switching 1

(1) Feature Groups A & B (except: (1) Feature Group B utilized for the provision of MTS/WATS service and (2) Feature Groups A and B when utilized for the provision of terminating inward WATS and WATS-type services at an access WATS Serving Office.

(a)	Per Originating Access Minute	-
(b)	Per Terminating Access Minute	-

B. Local Switching 2

(1) Feature Groups C & D (including: (1) Feature Group B when utilized for the provision of MTS/WATS service and (2) Feature Groups A and B when utilized for the provision of terminating inward WATS and WATS-type services at an equal access WATS Serving Office.Local Switching

(a)	Per Originating Access Minute	-
(b)	Per Terminating Access Minute	-

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.3 Switched Access Service (Cont'd)

22.3.10 End Office (Cont'd)

2. Directory Assistance Information Surcharge

(a)	Per 100 Access Minutes	$0.015772

22.3.11 Tandem Transport

1. Tandem Switched Facility

		Rate
(a)	Per Originating Access Minute Per Mile	$0.000027
(b)	Per Terminating Access Minute Per Mile	*JSI Tariff Concurrence*

2. Tandem Switched Termination

(a)	Per Originating Access Minute Per Termination	0.000134
(b)	Per Terminating Access Minute Per Termination	*JSI Tariff Concurrence*

3. Tandem Switching

(a)	Per Originating Access Minute Per Tandem	0.001193
(b)	Per Terminating Access Minute Per Tandem	*JSI Tariff Concurrence*

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services

22.4.1 Access Connections

		Monthly Rate
A.	Two-Wire Access Connections	
	1. For use with NB1-5, VG1-12 and AP1-4	
	(a) Each Two Wire Access Connection	$1.40
B.	Four-Wire Access Connections	
	1. For use with NB4-5, VG1-12 and DA1-4 with DU facility interface.	
	(a) Each Four Wire Access Connection	2.80
C.	Group Access Connections[1]	
	1. For use with WA1	
	(a) Each group Access Connection	-
D.	20 kHz Access Connection[1]	
	1. For use with WA3	
	(a) Each 20 kHz Access Connection	-
E.	13 kHz Access Connections[1]	
	1. For use with WA4	
	(a) Each 13 kHz Access Connection	-
F.	19.2 kbps Access Connections[1]	
	1. For use with WD1	
	(a) Each 19.2 kbps Access Connection	-
G.	50 kbps Access Connections[1]	
	1. For use with WD2	
	(a) Each 50 kbps Access Connection	-
H.	230.4 kbps Access Connections[1]	
	1. For use with WD3	
	(a) each 230.4 kbps Access Connection	-
I.	56 kbps Access Connections[1]	
	1. For use with WD4	
	(a) Each 56 kbps Access Connection	-

[1] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.1 Access Connections (Cont'd)

J. DS1 - 1.544 Mbps Access Connections

	Monthly Rate
1. For use with HC1	
(a) Each DS1 Access Connection	$36.00
K. DS1C - 3.152 Mbps Access Connections[1]	
1. For use with HC1C	
(a) Each DS1C Access Connection	-
L. DS2 - 6.312 Mbps Access Connections[1]	
1. For use with HC2	
(a) Each DS2 Access Connection	-
M. DS3 - 44.736 Mbps Access Connections[1]	
1. For use with HC3	
(a) Each DS3 Access Connection	-
N. DS4 - 276.176 Mbps Access Connections[1]	
1. For use with HC4	
(a) Each DS4 Access Connection	-

[1] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport

A. Mileage measured between IC serving wire center to Hub, IC serving wire center to End User serving wire center or Hub to End User serving wire center.

1. For method of determining mileage, see 7.4.5 and 10.

a. Fixed and Mileage Charges applicable

(1) Two-wire metallic (for use with NB1-3)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$-	$6.40
(b)	Over 4 to 8 Miles, per mile	.80	6.40
(c)	Over8 to 16 Miles, per mile	.80	6.40
(d)	Over 16 to 25 Miles, per mile	.80	6.40
(e)	Over 25 to 50, per mile	.80	6.40
(f)	Over 50 to Miles, per mile	.80	6.40
(g)	Over 100 Miles, per mile	.80	6.40
(2)	75 Baud (for use with NB4)		
(a)	0 to 4 Miles,per mile	-	5.45
(b)	Over 4 to 8 Miles, per mile	2.50	4.05
(c)	Over 8 to 16 Miles, per mile	11.95	2.65
(d)	Over 16 to 25 Miles, per mile	21.40	2.00
(e)	Over 25 to 50 Miles, per mile	39.50	1.25
(f)	Over 50 to 100 Miles, per mile	40.20	1.25
(g)	Over 100 Miles, per mile	40.20	1.25
(3)	150 Baud (for use with NB5)		
(a)	0 to 4 Miles, per mile		5.45
(b)	Over 4 to 8 Miles, per mile	2.50	4.05
(c)	Over 8 to 16 Miles, per mile	11.95	2.65
(d)	Over 16 to 25 Miles, per mile	21.40	2.00
(e)	Over 25 to 50 Miles, per mile	39.50	1.25
(f)	Over 50 to 100 Miles, per mile	40.20	1.25
(g)	Over 100 Miles, per mile	47.70	1.25

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport

A. (Cont'd)

1. (Cont'd)

a. Fixed and Mileage Charges applicable (Cont'd)

(4) Two-Wire/Four-Wire Voice (for use with VG1-12 and interLATA only Dedicated Access Line Service)

(a)	0 to 4 Miles, per mile		8.09
(b)	Over 4 to 8 Miles, per mile	8.26	6.00
(c)	Over 8 to 16 Miles, per mile	25.75	3.82
(d)	Over 16 to 25 Miles, per mile	61.44	1.63
(e)	Over 25 to 50 Miles, per mile	61.44	1.63
(f)	Over 50 to 100 Miles, per mile	79.33	1.27
(g)	Over 100 Miles, per mile	79.33	1.27

(5) 3.5 kHz Audio (for use with AP1)

(a)	0 to 4 Miles, per mile	-	6.45
(b)	Over 4 to 8 Miles, per mile	2.50	6.45
(c)	Over 8 to 16 Miles, per mile	2.50	6.45
(d)	Over 16 to 25 Miles, per mile	2.50	6.45
(e)	Over 25 to 50 Miles, per mile	2.50	6.45
(f)	Over 50 to 100 Miles, per mile	2.50	6.45
(g)	Over 100 Miles, per mile	2.50	6.45

(6) 5 kHz Audio (for use with AP2)

(a)	0 to 4 Miles, per mile	$-	$6.45
(b)	Over 4 to 8 Miles, per mile	7.50	6.45
(c)	Over 8 to 16 Miles, per mile	7.50	6.45
(d)	Over 16 to 25 Miles, per mile	7.50	6.45
(e)	Over 25 to 50 Miles, per mile	7.50	6.45
(f)	Over 50 to 100 Miles, per mile	7.50	6.45
(g)	Over 100 Miles, per mile	7.50	6.45

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport

A. (Cont'd)

1. (Cont'd)

a. Fixed and Mileage Charges applicable (Cont'd)

(7) 8 kHz Audio (for use with AP3)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$-	$6.45
(b)	Over 4 to 8 Miles, per mile	6.90	6.45
(c)	Over 8 to 16 Miles, per mile	6.90	6.45
(d)	Over 16 to 25 Miles, per mile	6.90	6.45
(e)	Over 25 to 50 Miles, per mile	6.90	6.45
(f)	Over 50 to 100 Miles, per mile	6.90	6.45
(g)	Over 100 Miles, per mile	6.90	6.45

(8) 15 khz Audio (for use with AP4)[1]

(a)	0 to 4 Miles, per mile	-	-
(b)	Over 4 to 8 Miles, per mile	-	-
(c)	Over 8 to 16 Miles, per mile	-	-
(d)	Over 16 to 25 Miles, per mile	-	-
(e)	Over 25 to 50 Miles, per mile	-	-
(f)	Over 50 to 100 Miles, per mile	-	-
(g)	Over 100 Miles, per mile	-	-

(9) Group (for use with WA1 and WA1T),[2]

(10) 20 kHz (for use with WA3)[1]

(11) 13 kHz (for use with WA4)[1]

(12) 19.2 kbps (for use with WD1)[1]

(13) 50.0 kbps (for use with WD2)[1]

(14) 230.4 kbps (for use with WD3)[1]

(15) 56.0 kbps (for use with WD4)[1]

[1] Rates and Charges based on individual cases will apply.
[2] For WA1T, two are required

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport

A. (Cont'd)

(16) Digital Data 1 (for use with DA1)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$143.70	$-
(b)	Over 4 to 8 Miles, per mile	184.00	2.30
(c)	Over 8 to 16 Miles, per mile	184.00	2.30
(d)	Over 16 to 25 Miles, per mile	184.00	2.30
(e)	Over 25 to 50 Miles, per mile	184.00	2.30
(f)	Over 50 to 100 Miles, per mile	184.00	2.30
(g)	Over 100 Miles, per mile	184.00	2.30
2. Digital Data 2 (for use with DA2)			
(a)	0 to 4 Miles, per mile	151.05	-
(b)	Over 4 to 8 Miles, per mile	193.30	2.80
(c)	Over 8 to 16 Miles, per mile	193.30	2.80
(d)	Over 16 to 25 Miles, per mile	193.30	2.80
(e)	Over 25 to 50 Miles, per mile	193.30	2.80
(f)	Over 50 to 100 Miles, per mile	193.30	2.80
(g)	Over 100 Miles, per mile	193.30	2.80
3. Digital Data 3 (for use with DA3)			
(a)	0 to 4 Miles, per mile	182.80	-
(b)	Over 4 to 8 Miles, per mile	212.15	3.10
(c)	Over 8 to 16 Miles, per mile	212.15	3.10
(d)	Over 16 to 25 Miles, per mile	212.15	3.10
(e)	Over 25 to 50 Miles, per mile	212.15	3.10
(f)	Over 50 to 100 Miles, per mile	212.15	3.10
(g)	Over 100 Miles, per mile	212.15	3.10

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.2 Special Transport

A. (Cont'd)

4. Digital Data 4 (for use with DA4)

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 to 4 Miles, per mile	$384.80	$-
(b)	Over 4 to 8 Miles, per mile	360.05	8.00
(c)	Over 8 to 16 Miles, per mile	360.05	8.00
(d)	Over 16 to 25 Miles, per mile	360.05	8.00
(e)	Over 25 to 50 Miles, per mile	360.05	8.00
(f)	Over 50 to 100 Miles, per mile	360.05	8.00
(g)	Over 100 Miles, per mile	360.05	8.00

5. DS1 - 1.544 Mbps (for use with HC1[1] and interLATA only Dedicated Access Line Service)

(a)	0 to 4 Miles, per mile	26.85	30.00
(b)	Over 4 to 8 Miles, per mile	26.85	30.00
(c)	Over 8 to 16 Miles, per mile	26.85	30.00
(d)	Over 16 to 25 Miles, per mile	26.85	30.00
(e)	Over 25 to 50 Miles, per mile	26.85	30.00
(f)	Over 50 to 100 Miles, per mile	26.85	30.00
(g)	Over 100 Miles, per mile	26.85	30.00

6. DS1C - 3.152 Mbps (for use with HC1C[1])

   Rates and charges based on individual cases will apply.

7. DS2 - 6.312 Mbps (for use with HC2[1])

   Rates and charges based on individual cases will apply.

8. DS3 - 44.736 Mbps (for use with HC3[1])

   Rates and charges based on individual cases will apply.

9. DS4 - 274.176 Mbps (for use with HC4[1])

   Rates and charges based on individual cases will apply.

[1] Additional applications are obtainable through the use of suitable multiplexing at the Hub.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions

A. Facility Interface Combinations

1. Narrowband Services

Facility Interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(a)	DC/DC (NB1, 2 and 3)	$-	$123.00	$46.00
(b)	TT/TT (NB4)	3.85	268.50	169.50
(c)	DB 10/TT (NB4)	3.85	268.50	169.50
(d)	DB 10/IA (NB5)	6.00	268.50	169.50
(e)	AH/DC[1] (NB2)	-	123.00	46.00
(f)	AH/TT[1] (NB4)	3.85	268.50	169.50
(g)	AH/IA[1] (NB5)	6.00	268.50	169.50
(h)	DS/DC[2] (NB2)	-	123.00	46.00
(i)	DS/TT[2] (NB4)	3.85	268.50	169.50
(j)	DS/IA[2] (NB5)	6.00	268.50	169.50

2. Voice Grade Services

Facility interfaces are specified in the order of IC/End User

(a)	AB/AC (VG2)	.65	147.00	44.00
(b)	AB/SF (VG2)	-	141.50	38.50
(c)	AH/AC (VG2)[3,4]	.65	147.00	44.00
(d)	AH/DA (VG5, 6, 10 & 12)[4]	-	141.50	38.50
(e)	AH/DE (VG5)[4]	-	141.50	38.50
(f)	AH/DX (VG9)[4]	-	141.50	38.50
(g)	AH/DY (VG3, 7, & 8)[4]	-	141.50	38.50
(h)	AH/EA (VG3, 7, 8, & 9)[4]	2.75	160.50	57.50

[1] Requires intermediate DS1 to Voice multiplexor.
[2] Requires intermediate multiplexing.
[3] Requires intermediate DS1 to Voice multiplexor.
[4] Requires intermediate Group to Voice multiplexor.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(i)	AH/EB (VG3, 7, 8, & 9)[1]	$2.75	$160.50	$57.50
(j)	AH/GO (VG1)[1]	-	141.50	38.50
(k)	AH/GS (VG1, 3, & 7) [1]	-	141.50	38.50
(l)	AH/LA (VG2 & 7) [1]	2.60	156.50	53.50
(m)	AH/LB (VG2 & 7) [1]	1.75	151.00	48.00
(n)	AH/LC (VG2 & 7) [1]	.20	143.00	40.00
(o)	AH/LO (VG1, 2 & 7) [1]	-	141.50	38.50
(p)	AH/LR (VG2) [1]	3.70	156.50	53.50
(q)	AH/LS (VG1, 2, 5, 6, 7, 9, 10, & 12) [1]		141.50	38.50
(r)	AH/NO (VG1, 2, 5, 6, 7, & 9) [1]	-	141.50	38.50
(s)	AH/RV (VG3, & 7) [1]	-	141.50	38.50
(t)	AH/SF (VG2, 3, 7, 8 & 9)	-	141.50	38.50
(u)	AH/TF (VG11) [1]	-	141.50	38.50
(v)	DA/DA (VG10)	-	141.50	38.50
(w)	DB/DA (VG6, 10 & 12)	-	141.50	38.50
(x)	DB/NO (VG6)	-	141.50	38.50
(y)	DD/DE (VG5)	-	141.50	38.50
(z)	DS/AC (VG2)[2]	.65	147.00	44.00

[1] Requires intermediate Group to Voice multiplexor
[2] Requires intermediate DS1 to Voice multiplexor

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(aa)	DS/DA (VG5, 6, 10 & 12) [1]	$141.50	$38.50	$-
(bb)	DS/DE (VG5) [1]	-	141.50	38.50
(cc)	DS/DX (VG9) [1]	-	141.50	38.50
(dd)	DS/DY (VG3, 7, & 8) [1]	-	141.50	38.50
(ee)	DS/EA (VG3, 7, 8, & 9) [1]	2.75	160.50	57.50
(ff)	DS/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(gg)	DS/GO (VG1)[1]	-	141.50	38.50
(hh)	DS/GS (VG1, 3, & 7)[1]	-	141.50	38.50
(ii)	DS/LA (VG2 & 7)[1]	2.60	156.50	53.50
(jj)	DS/LB (VG2 & 7)[1]	1.75	151.00	48.00
(kk)	DS/LC (VG2 & 7)[1]	.20	143.00	40.00
(ll)	DS/LO (VG1, 2, & 7)[1]	-	141.50	38.50
(mm)	DS/LR (VG2)[1]	3.70	156.50	53.50
(nn)	DS/LS (VG2, 2, 3, 7, & 8)[1]	-	141.50	38.50
(oo)	DS/NO (VG1, 2, 5, 6, 7, & 9)[1]	-	141.50	38.50
(pp)	DS/RV (VG3 & 7)[1]	-	141.50	38.50

[1] Requires intermediate DS1 to Voice multiplexor.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(qq)	DS/SF (VG2, 3, 7, 8 & 9)[1]	$-	$141.50	$38.50
(rr)	DS/TF (VG11)[1]	-	141.50	-
(ss)	DX/DX (VG9)	-	-	38.50
(tt)	DX/DY (VG3, 7, & 8)	-	141.50	38.50
(uu)	DX/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(vv)	DX/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(ww)	DX/LA (VG2 & 7)	2.60	156.50	53.50
(xx)	DX/LB (VG2 & 7)	1.75	151.00	48.00
(yy)	DX/LC (VG2 & 7)	.20	143.00	40.00
(zz)	DX/LO (VG2 & 7)	-	141.50	38.50
(aaa)	DX/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(bbb)	DX/RV (VG3 & 7)	-	141.50	38.50
(ccc)	DX/SF (VG2, 3, 7, 8, & 9)	-	141.50	38.50
(ddd)	EA/AC (VG2)	65	147.00	44.00
(eee)	EA/DX (VG9)	-	141.50	38.50
(fff)	EA/DY (VG3, 7, & 8)	-	141.50	38.50
(ggg)	EA/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(hhh)	EA/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50

[1] Requires intermediate DS1 to Voice multiplexor

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(iii)	EA/LA (VG2 & 7)	2.60	156.50	53.50
(jjj)	EA/LB (VG2 & 7)	1.75	151.00	48.00
(kkk)	EA/LC (VG2 & 7)	.20	143.00	40.00
(lll)	EA/LO (VG2 &7)	-	141.50	38.50
(mmm)	EA/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(nnn)	EA/RV (VG3 & 7)	-	141.50	38.50
(ooo)	EA/SF (VG2, 3, 7, 8 & 9)	-	141.50	38.50
(ppp)	EB/AC (VG2)	.65	147.00	44.00
(qqq)	EB/DX (VG9)	-	141.50	38.50
(rrr)	EB/DY (VG3, 7, & 8)	-	141.50	38.50
(sss)	EB/EA (VG3, 7, 8, & 9)	2.75	160.50	57.50
(ttt)	EB/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(uuu)	EB/LA (VG2 & 7)	2.60	156.50	53.50
(vvv)	EB/LB (VG2 & 7)	1.75	151.00	48.00
(www)	EB/LC (VG2 & 7)	.20	143.00	40.00
(xxx)	EB/LO (VG2 & 7)	-	141.50	38.50
(yyy)	EB/LS (VG2, 3, 7, & 8)	-	141.50	38.50
(zzz)	EB/RV (VG3 & 7)	-	141.50	38.50

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(aaaa)	EB/SF (VG2, 3, 7, 8, & 9)	$-	$141.50	$38.50
(bbbb)	EC/DY (VG3, 7, & 8)	-	141.50	38.50
(cccc)	EC/EA (VG3, 7, & 8)	2.75	160.50	57.50
(dddd)	EC/EB (VG3, 7, & 8)	2.75	160.50	57.50
(eeee)	EC/SF (VG3, 7 & 8)	-	141.50	38.50
(ffff)	EX/GS (VG3 & 7)	-	141.50	38.50
(gggg)	EX/LA (VG2 & 7)	2.60	156.50	53.50
(hhhh)	EX/LB (VG2 & 7)	1.75	151.00	48.00
(iiii)	EX/LC (VG2 & 7)	-	143.00	40.00
(jjjj)	EX/LO (VG1, 2, & 7)	-	141.50	38.50
(kkkk)	EX/LR (VG2)	3.70	156.50	53.50
	EX/LS (VG1, 2, 3, & 7)	-	141.50	38.50
	EX/SF (VG1, 3, & 7)		141.50	38.50
	GO/GS (VG1, 3, & 7)	-	141.50	38.50
	GO/SF (VG3 & 7)	-	141.50	38.50

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(llll)	GS/GO (VG1)	$-	$141.50	$38.50
(mmmm)	LO/LS (VG1, 2, 3, 7, & 8)	-	141.50	38.50
(nnnn)	LO/SF (VG2, 3, & 7)	-	141.50	38.50
(oooo)	LR/LR (VG2)	3.70	156.50	53.50
(pppp)	LR/SF (VG2)	-	141.50	
(qqqq)	LS/LA (VG2 & 7)	2.60	156.50	53.50
(rrrr)	LS/LB (VG2 & 7)	1.75	151.00	48.00
(ssss)	LS/LC (VG2 & 7)	.20	143.00	40.00
(tttt)	LS/LO (VG1, 2, & 7)	-	141.50	38.50
(uuuu)	LS/SF (VG2)	-	141.50	38.50
(vvvv)	NO/DA (VG6, 10, & 12)	-	141.50	38.50
(wwww)	NO/NO (VG1, 2, 5, 6, 7, & 9)	-	141.50	38.50
(xxxx)	RV/RV (VG3 & 7)	-	141.50	38.50
(yyyy)	RV/SF (VG3 & 7)	-	141.50	38.50
(zzzz)	SF/AC (VG2)	.65	147.00	44.00
(aaaaa)	SF/DX (VG9)	-	141.50	38.50
(bbbbb)	SF/DY (VG3, 7, & 8)	-	141.50	38.50

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

2. Voice Grade Services (Cont'd)

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(ccccc)	SF/EA (VG3, 7, 8, & 9)	$2.75	$160.50	$57.50
(ddddd)	SF/EB (VG3, 7, 8, & 9)	2.75	160.50	57.50
(eeeee)	SF/GS (VG1, 3, & 7)	-	141.50	38.50
(fffff)	SF/LA (VG2, & 7)	2.60	156.50	53.50
	SF/LB (VG2 & 7)	1.75	151.00	48.00
	SF/LC (VG2 & 7)	.20	143.00	40.00
	SF/LO (VG1 & 2)		141.50	38.50
	SF/LR (VG2)	3.70	156.50	53.50
	SF/LS (VG2, 3, 7, & 8)	-	141.50	38.50
	SF/RV (VG3 & 7)	-	141.50	38.50
	SF/SF (VG2, 3, 7, 8, & 9)	-	141.50	38.50
	TF/TF (VG11)	-	141.50	38.50

3. Wideband Analog Services[1]

(a)	Facility Interfaces are specified in the order of IC/End User			
(b)	AH D/AH B (WA1)	-	-	-
(c)	AH C/AH B (WA1)	-	-	-
(d)	AH B/AH B (WA1)	-	-	-
(e)	AH C/AH C (WA2)	-	-	-
(f)	AH D/AH C (WA2)	-	-	-
(g)	AH D/AH D (WA2A)	-	-	-
(h)	WD 1/WA 1 (WA3)	-	-	-
(i)	WD 2/WA 1 (WA3)	-	-	-
(j)	WD 3/WA 2 (WA4)	-	-	-

[1] Wideband Analog Services will be rated and provided on an individual case basis.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

4. Wideband Digital Services[1]

Facility Interfaces are specified in the order of IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(a)	WB 19S/WC 19 (WD1)	$ -	$ -	$ -
(b)	WB 18S/WC 18 (WD1)	-	-	-
(c)	WB 19A/WC 19 (WD1)	-	-	-
(d)	WB 50S/WC 50 (WD2)	-	-	-
(e)	WB 40S/WC 40 (WD2)	-	-	-
(f)	WB 50A/WC 50 (WD2)	-	-	-
(g)	WB 23S/WC 23S (WD3)	-	-	-
(h)	WB 23A/WC 23 (WD3)	-	-	-
(i)	WB 64/DU 56 (WD4)	-	-	-
(j)	DO/DU 56 (WD4)	-	-	-

5. Digital Data Access Services

Facility Interfaces are specified in the order of IC/End User

(a)	DU 24/DU 24 (DA1)	-	180.00	61.00
(b)	DS/DU 24[2] (DA1)	-	180.00	61.00
(c)	DU 48/DU 48 (DA2)	-	180.00	58.00
(d)	DS/DU 48[1] (DA2)	-	180.00	58.00
(e)	DU 96/DU 96 (DA3)	-	195.00	76.00
(f)	DS/DU96[1] (DA3)	-	195.00	76.00
(g)	DU 56/DU 56 (DA4)	-	210.00	90.00
(h)	DS/DU 56[3] (DA4)	-	210.00	90.00

[1] Wideband Digital Services will be rated and provided on an individual case basis.
[2] Digital Data Carrier Multiplexing Equipment is required.
[3] Digital Data Carrier Multiplexing Equipment is required.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Facility Interface Combinations (Cont'd)

6. High Capacity Services

Facility Interfaces are specified in the order IC/End User

		Monthly Rate Per Service Termination	Nonrecurring Charge Per Service Termination First Service	Nonrecurring Charge Per Service Termination Additional Service
(a)	DS 15/DU (HC1)	$24.10	$287.93	$162.00
(b)	DS 31/DS 31 (HC1C)[1]	-	-	-
(c)	DS 31/DS 15 (HC1C)[2]	-	-	-
(d)	DS 63/DS 63 (HC2)[2,2]	-	-	-
(e)	DS 63/DS 15 (HC2)	-	-	-
(f)	DS 44/DS 44 (HC3)[2,3]	-	-	-
(g)	DS 44/DS 15 (HC3)[2]	-	-	-
(h)	DS 27/DS 27 (HC4)[2,3]	-	-	-
(i)	DS 27/DS 15 (HC4)[2]	-	-	-

B. Voice Grade Performance

1. Performance, Per two-point service or each section (i.e., midlink or end link) of a multipoint service.

		Monthly Rate	Nonrecurring Charge (To Install Service) First Service	Nonrecurring Charge (To Install Service) Each Additional Identical Service
(a)	VG1	$7.35	$53.00	$53.00
(b)	VG2	19.30	68.00	68.00
(c)	VG3	-	-	-
(d)	VG5	12.85	56.00	56.00
(e)	VG6	27.70	105.00	105.00
(f)	VG7	19.30	68.00	68.00

[1] Rates and Charges based on individual case will apply.
[2] Available only from an IC terminal location to another IC terminal location or to a Hub.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

B. Voice Grade Performance (Cont'd)

1. (Cont'd)

		Monthly Rate	Nonrecurring Charge (To Install Service) First Service	Nonrecurring Charge (To Install Service) Each Additional Identical Service
(g)	VG8	19.30	68.00	68.00
(h)	VG9	19.50	105.00	105.00
(i)	VG10	20.45	105.00	105.00
(j)	VG11	7.35	53.00	53.00
(k)	VG12	7.35	53.00	53.00

C. Hub Functions

1. Multiplexing

a. DS4 to DS1 arrangement

(1) An arrangement that provides a 274.176 Mbps capacity to multiplex, on a digital time division basis, 168 DS1 channels. (available with HC4)

		Monthly Rate	Nonrecurring Charge
(a)	Per arrangement	$2,815.56	$1,465.73

b. DS3 to DS1 arrangement

(1) An arrangement that provides a 44.736 Mbps capacity to multiplex, on a digital time division basis, 28 DS1 channels. (available with HC3)

(a)	Per arrangement	299.92	370.68

c. DS2 to DS1 arrangement

(1) An arrangement that provides a 6.312 Mbps capacity to multiplex, on a digital time division basis, four DS1 channels. (available with HC2)

(a)	Per arrangement	99.92	182.96

d. DS1C to DS1 arrangement

(1) An arrangement that provides a 3.152 Mbps capacity to multiplex, on a digital time division basis, two DS1 channels. (available with HC1C)

(a)	Per arrangement	20.69	167.32

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

1. Multiplexing (Cont'd)

e. Group to DS1 arrangement[1]

(1) An arrangement that provides two group capacities (i.e., WA1T) to multiplex to a DS1 level. (Available with WA1T)

	Monthly Rate	Nonrecurring Charge
(a) Per arrangement	$-	$-

f. DS1 to Voice arrangement

(1) An arrangement that provides a 1.544 Mbps capacity to multiplex, on a digital time division basis, 24 Voice or Digital Data[2] grade channels. (Available with HC1)

(a) Per arrangement	103.24	151.68

g. Group to Voice arrangement

(1) An arrangement that provides a Group capacity to multiplex, on a frequency division basis, 12 Voice grade channels. (Available with WA1)

(a) Per arrangement[1]	-	-

[1] Rates and charges based on individual case will apply.
[2] Digital Data channels are only available from the serving wire center serving the Company designator digital Hub. Digital Data or DS1 is used only as a component of DA1-4.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

1. Multiplexing (Cont'd)

h. Digital Data Multiplexing (Required with Digital Data Access service with DS facility interface at IC terminal location).

(1) Carrier Multiplexing Unit

- an arrangement that provides a 1.544 Mbps capacity to multiplex on a digital time division basis, 23 64 kbps channels.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Per Unit	$150.95	$140.47	$-

(2) Carrier Multiplexing Plug-Ins

(a)	Per 64 kbps channel equipped[1]	1.56	53.09	135.20

(3) Carrier Sub-Multiplexing Unit: an arrangement that provides a 64 kbps capacity to multiplex on a digital time division basis, subspeed Digital Data Access Services.

(a)	Twenty 2.4 kbps services	146.39	88.66	167.03
(b)	Ten 4.8 kbps services	75.45	70.88	151.12
(c)	Five 9.6 kbps services	52.45	70.88	151.12

2. Bridging

a. Narrowband Bridges

(1) Two-Wire Bridging (available with NB1-3)

		Monthly Rate	Nonrecurring Charge
(a)	Per Port	$-	$-

(2) Telegraph Bridging (available with NB4 and NB5)

(a)	Two Wire, per Port	-	-
(b)	Four Wire, per Port	-	-

[1] Required with DS1 to Digital Data channels hub multiplexing capability (MQ1)

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

2. Bridging (Cont'd)

b. Voice Grade Bridges

(1) Voice Bridging (available with VG2 & 12)

	Monthly Rate	Nonrecurring Charge
(a) Two Wire, per Port	30.80	102.00
(b) Four Wire, per Port	30.80	102.00
(2) Data Bridging (available with VG5, 6, & 10)		
(a) Two Wire, per Port	9.10	58.00
(b) Four Wire, per Port	9.10	58.00
(3) Telephoto Bridging (available with VG11)		
(a) Two Wire, per Port	30.80	102.00
(b) Four Wire, per Port	30.80	102.00
(4) Telemetry and Alarm Bridging (Available with VG5)		
Split Band, Active Briding		
(a) Channel Connections, per channel connected,	2.60	17.00
Remote station channel connection, each		
Passive Bridging		
(b) Channel Connections, per channel connected[1]	2.60	17.00
Summation, Active Bridging		
(c) Channel Connections, per channel connected[1]	2.60	17.00

c. Digital Data Access Bridges (available with DA1-4)

(1) Central Office Bridge

(a) Per Port	7.72	10.45

[1] Rates and charges based on individual case will apply.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

C. Hub Functions (Cont'd)

3. Digital Data Secondary Channel Capability

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Per Digital Data Access Connection and Special Access Line, each	$15.00	$-	$485.00

D. Optional Features and Functions-Voice Grade Services

1. Conditioning

Conditioning provides more specific transmission characteristics for data or telephoto services. There are two types of data conditioning, C-Type and DA-Type. C-Type conditioning controls attenuation distortion and envelope delay distortion; DA-Type conditioning controls the signal to C-notched noise ratio and intermodulation distortion. Telephoto conditioning controls attenuation distortion and envelope delay distortion.

Conditioning is charged for on a per two-point service or each section (i.e., midlink or end link) of a multi-point basis. The parameters listed for each type of conditioning apply from point of interface to network interface. For two-point services the parameters apply to each service. For multipoint services, the parameters apply to any path between any two service terminal points. C-Type and DA-Type conditioning are available only for data services. C-Type and DA-Type conditioning may be combined on the same service.

Telephoto conditioning is available only for VG11 services.

a. C-Type Conditioning

(1) For the additional control of attenuation distortion and envelope delay distortion on data services.

(2) Attenuation Distortion (Frequency Response) Relative to 1004 Hz

Frequency Range (Hz)	Variation (dB)
400-2800	1.0 to 2.0
300-3000	1.0 to 3.0
300-3200	2.0 to 6.0

(3) Envelope Delay Distortion

Frequency Range (Hz)	Variation (micro seconds)
1000-2600	100
600-2600	300
500-2800	600

(4) C-Type Conditioning is available in VG6, 7 & 10.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	C Type Conditioning, Per Two point Service or each section (i.e., midlink or end link) of a multipoint service.	$1.80	$9.00	$213.00

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Optional Features and Functions Voice Grade Services (Cont'd)

1. Conditioning (Cont'd)

b. DA-Type Conditioning

(1) For the control of signal to C-notched noise ratio and intermodulation distortion on data services. DA-Type conditioning is available for two-point services or three point multipoint services.

(2) The signal to C-notched noise ratio and intermodulation distortion parameters for DA-Type conditioning are:

Signal to C-Notched Noise Ratio 32 dB

(3) Intermodulation distortion:

Signal to second order modulation products (R2) is equal to or greater than 38 dB.
Signal to third order modulation products (R3) is equal to or greater than 42 dB.

(4) When a service equipped with DA-Type conditioning is used for voice communications, the quality of the voice transmission may not be satisfactory.

(5) DA-Type Conditioning is available with VG6, 7 and 10.

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a) DA Type Conditioning, Per Two Point Service or each section (i.e., mid link or end link) of a multipoint service.	$15.00	$372.00	$576.00

c. Telephoto Conditioning

(1) For the control of attenuation distortion and envelope delay distortion on telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Conditioning are:

Attenuation Distortion
(1004 Hz Reference)

Frequency Range (Hz)	Variation (db)
500 3000	0.5 to +1.5
300 3200	1.0 to +2.5

Envelope Delay Distortion

Frequency Range (Hz)	Variation (mcs)
1000 2600	110
800 2800	180

(2) Telephoto Conditioning is available with VG11 only.

(a) Telephoto Conditioning, Per Two Point Service or each section (i.e., midlink or end link) of a multipoint service	-	-	-

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

A. Optional Features and Functions Voice Grade Services (Cont'd)

2. Improved return loss for effective two-wire transmission at the end user's premises

a. Available with VG2, 3 and 7

(1) This option is applicable to all interfaces except E&M, SF & DX when the impedance code 2 is specified. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Improved Return Loss, Per end user premises, per service which this option is available.	$1.95	$13.59	$39.80

3. Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available.

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Improved Return Loss, Per IC terminal location, per service	$1.95	$24.68	$50.89

4. IC specified end user premises receive level within a range acceptable to the Company on effective four-wire transmission. (Available with VG2, 3, 7, 8 & 9)

(a)	Specified receive level, per end user premises, per service	-	9.63	35.84

E. Optional Features and Functions - Dedicated Access Line Service

1. Two-Wire Improved Voice Transmission Parameters: (the guaranteed levels are set forth in 7.2.1.F.4.b. preceding)

		Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a)	Per service	$6.43	$11.04	$460.89

2. Four-Wire Improved Voice Transmission Parameters: (the guaranteed levels are set forth in 7.2.1.F.4.c. preceding)

(a)	Per service	6.43	11.04	460.89

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.3 Features and Functions (Cont'd)

F. Optional Features and Functions - Digital Data Access Services

1. Loop Transfer Arrangement

a. An arrangement that affords the end user an additional measure of protection to its access channel(s) on a 1 x N basis. This arrangement is only available from a Company designated digital hub. A key activated control service is required to operate the transfer arrangement. This control service must be separately ordered.

(1) Available with DA1, 2, 3 and 4.

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequen
(a) Transfer Arrangement, each	16.92	87.96	186.33

G. Optional Features and Functions - High Capacity Services

1. Automatic Protection Switching

a. Switching equipment placed at both ends of a duplicate standby service to automatically switch the standby service to the active state in the event of service failure. Duplicate 1.544 Mbps Service must also be ordered.

(1) Available with HC1.

(a) Per Arrangement	281.15	68.27	159.66

22.4.4 Special Access Lines

A. Two-Wire[1]

1. For use with NB1-5, VG1-12 and AP1-4

	Monthly Rate
(a) Two Wire Special Access Line, each	$13.05

2. For use with Dedicated Access Line Service

	Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a) Two wire Special Access Line, each	$34.00	$141.00	$64.00

[1] See 7.4.2 preceding for application of Special Access Service Surcharge.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines (Cont'd)

B. Four-Wire1

1. For use with NB4-5, VG1-12 and DA1-4

		Monthly Rate
(a)	Four Wire Special Access Line, each	$26.10

2. For use with Dedicated Access Line Service

		Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a)	Four wire Special Access Line, each	$45.00	$157.00	$80.00

C. Group[1,1]

1. For use with WA1

		Monthly Rate
(a)	Group Special Access Line, each	$-

D. 20 kHz[2,3]

1. For use with WA3

(a)	20 kHz Special Access Line, each	-

E. 13 kHz[3,4]

1. For use with WA4

(a)	13 kHz Special Access Line, each	-

F. 19.2 kbps[3,4]

1. For use with WD1

(a)	19.2 kbps Special Access Line, each	-

G. 50 kbps[3,4]

1. For use with WD2

(a)	50 kbps Special Access Line, each	-

H. 230.4 kbps[3,4]

1. For use with WD3

(a)	230.4 kbps Special Access Line, each	-

[1] Rates and Charges based on individual cases will apply.
[2] See 7.4.2 preceding for application of Special Access Service Surcharge.
[3] Rates and Charges based on individual cases will apply.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.4 Special Access Lines (Cont'd)

I. 56 kbps[3,4]

1. For use with WD4

	Monthly Rate
(a) 56 kbps Special Access Line, each	-

J. DS1 - 1.544 Mbps[3]

1. For use with HC1

(a) DS1 1.544 Mbps Special Access Line, each	110.83

K. DS1C - 3.152 Mbps[3,4]

1. For use with HC1C

(a) DS1C 3.152 Mbps Special Access Line, each	-

L. DS2 - 6.312 Mbps[3,4]

1. For use with HC2

(a) DS2 6.312 Special Access Connection, each	-

M. DS3 - 44.736 Mbps[3,4]

1. For use with HC3

(a) DS3 44.736 Mbps Special Access Line, each	-

N. DS4 - 274.176 Mbps[3,4]

1. For use with HC4

(a) DS4 274.176 Mbps Special Access Line, each	-

O. Optional Feature

1. Hybrid

Provides conversion from four-wire SAL to two-wire termination at end user premises. Required to meet effective four-wire performance with a two-wire end user premises facility interface.

	Monthly Rate	Nonrecurring Charge
(a) Hybrid, each	$-	$-

P. Special Access Service Surcharge[1]

1. Per voice equivalent channel (non DAL), billed to the IC

	Monthly Rate
(a) each	$25.00

2. Per DAL, billed to the IC

(a) each	-

[1] See 7.4.2 preceding for application of Special Access Service Surcharge.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service

	Monthly Rate	Nonrecurring Charge
A. Channel Termination		
1. Per Point of Termination		
(a) Two Wire	$33.12	$223.24
(b) Four Wire	46.81	223.24
B. Channel Mileage		
1. Mileage Facility		
(a) Per Mile	2.41	-
2. Mileage Terminal		
(a) Per Terminal	14.09	-
C. Optional Features and Functions		
1. Bridging		
a. Two-Wire/Four-Wire		
(1) Per Port		
(a) Two Wire	4.33	-
(b) Four Wire	4.33	-
b. Data Bridging, Two-Wire/Four-Wire		
(1) Per Port		
(a) Two Wire	4.33	-
(b) Four Wire	4.33	-
c. Telephoto Bridging, Two-Wire/Four-Wire		
(1) Per Port		
(a) Two Wire	4.33	-
(b) Four Wire	4.33	-
d. Addressable Arrangement		
(1) Per channel connected		
(a) Two Wire	25.80	-
(b) Four Wire	131.35	-

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

C. Optional Features and Functions (Cont'd)

1. Bridging (Cont'd)

e. Telemetry/Alarm Bridging Service (TABS) Bridging

(1) Per channel connected

		Monthly Rate	Nonrecurring Charge
(a)	Split Band	$9.12	$-
(b)	Summation	1.55	-
(c)	Passive	0.23	-
2. Conditioning, Per Terminal			
(a)	C Type	6.45	
(b)	Sealing Current	-	-
3. Improved Return Loss			
(1)	Per Terminal		
(a)	Two Wire	1.91	-
(b)	Four Wire	1.91	-
4. Customer Specified Receive Level, Per Terminal			
(a)	Two Wire		
5. Multiplexing, Voice to Telegraph			
(a)	Per Arrangement	245.68	-
6. Data Capability			
(a)	Per Terminal	1.44	247.03
7. Telephoto Conditioning			
(a)	Per Terminal	3.19	247.03
8. Signaling Capability			
(a)	Per Terminal	14.89	-
9. Selective Signaling Arrangement			
(a)	Per Arrangement	15.92	-
10. Transfer Arrangement			
(a)	Key Activated or Dial up, Per Four Port Arrangement	3.41	-

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.5 Voice Grade Service (Cont'd)

D. Public Packet Switching Network (PPSN)

1. Interface Arrangement

(a)	Per Arrangement[1]	$-	$-

22.4.6 Digital Data Access Service

A. Channel Terminal

1. Per Terminal

		Monthly Rate	Nonrecurring Charge
(a)	2.4 Kbps	$105.97	$311.64
(b)	4.8 Kbps	105.97	311.64
(c)	9.6 Kbps	105.97	311.64
(d)	56.0 Kbps	105.97	311.64

B. Channel Mileage

1. Facility, Per Mile

(a)	2.4 Kbps	2.41	-
(b)	4.8 Kbps	2.41	-
(c)	9.6 Kbps	2.41	-
(d)	56.0 Kbps	2.41	-

2. Terminal, Each

(a)	2.4 Kbps	14.09	-
(b)	4.8 Kbps	14.09	-
(c)	9.6 Kbps	14.09	-
(d)	56.0 Kbps	14.09	-

C. Optional Features and Functions

1. Bridging

(a)	Per Port	26.93	-

2. Loop Transfer Arrangement (Key Activated or Dial-up)

(a)	Per Four Port Arrangement	6.75	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.6 Digital Data Access Service (Cont'd)

D. Public Packet Switching Network (PPSN)

1. Interface Arrangement

		Monthly Rate	Nonrecurring Charge
(a)	Per 9.6 Kbps[1] Arrangement	$-	$-
(b)	Per 56.0 Kbps[1] Arrangement	-	-

E. Channel Service Unit

1. Per Terminal

(a)	2.4 Kbps	18.60	-
(b)	4.8 Kbps	19.88	-
(c)	9.6 Kbps	20.85	-
(d)	56.0 Kbps	21.73	-

22.4.7 High Capacity Service

A. Channel Terminal

1. Per Terminal

(a)	1.544 Mbps	271.17	381.10
(b)	3.152 Mbps[1]	-	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

B. Channel Mileage

1. Facility, Per Mile

(a)	1.544 Mbps	1.29	-
(b)	3.152 Mbps	31.91	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.7 High Capacity Service (Cont'd)

B. Channel Mileage (Cont'd)

2. Terminal, Each

		Monthly Rate	Nonrecurring Charge
(a)	1.544 Mbps	$17.77	$-
(b)	3.152 Mbps	178.15	-
(c)	6.312 Mbps[1]	-	-
(d)	44.736 Mbps[1]	-	-
(e)	274.176 Mbps[1]	-	-

C. Optional Features and Functions

1. Multiplexing

a. DS4 to DS1

(1) Per Arrangement

(a)	Each[1]	-	-
(b)	DS3 to DS1	-	-

(2) Per Arrangement

(a)	Each[1]	-	-

b. DS2 to DS1

(1) Per Arrangement

(a)	Each[1]	-	-

c. DS1C to DS1

(1) Per Arrangement

(a)	Each[1]	-	-

d. DS1 to Voice

(1) Per Arrangement

(a)	Each	360.44	-

e. DS1 to DS0

(1) Per Arrangement

(a)	Each	624.91	-

[1] Individual Case Basis (ICB) rates and charges apply.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.4 Special Access Services (Cont'd)

22.4.7 High Capacity Service (Cont'd)

C. Optional Features and Functions (Cont'd)

1. Multiplexing (Cont'd)

f. DS0 to Subrates

		Monthly Rate	Nonrecurring Charge
(1)	Per Arrangement		
(a)	Up to 20 2.4 Kbps services	$511.06	$-
(b)	Up to 10 4.8 Kbps services	263.41	-
(c)	Up to 5 9.6 Kbps services	183.12	-
2. Automatic Loop Transfer			
(a)	Per Arrangement	440.03	-
3. Transfer Arrangement			
(a)	Key Activated or Dial up, Per Four Port Arrangement	187.03	
4. Network Channel Terminating Equipment, Per Terminal			
(a)	1.544 Mbps	96.02	-
(b)	Automatic Loop Transfer	1,013.35	-

22.4.8 Transfer of Service

A. Service Rearrangements

1. Special Access Circuits

		Nonrecurring Charge
(a)	Per Billing Account Number	$140.00
(b)	Per circuit	7.00

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges

22.5.1 Charges for Additional Engineering

1. Engineering Consultation and Engineering of Connections with other telephone companies (if not Concurring Carriers):

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic time, regularly scheduled work hours, Per Engineer	$66.00	$39.79
(b)	Overtime, outside of regularly scheduled work hours, Per Engineer	73.41	47.20

22.5.2 Charges for Additional Labor

A. The charges for additional labor are as follows:

1. Overtime Installation or Repair

(a)	Overtime, outside of regularly scheduled working hours on a scheduled work day,[1] Per Technician	29.31	3.10

2. Stand by, Testing and Maintenance with other telephone companies (if not Concurring Carriers) or Other Labor

(a)	Basic time, regularly scheduled working hours, per Technician	-	17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day[1], per Technician	-	21.01
(c)	Premium time, outside of scheduled work day[1], per Technician	-	24.12

[1] A call out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.2 Charges for Additional Labor (Cont'd)

A. (Cont'd)

3. Other Labor (or Testing and Maintenance with other telephone companies, if they are not Concurring carriers)

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic Time regularly scheduled working hours, per technician	$44.12	$17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day, [1] per technician	47.22	21.01
(c)	Premium Time, outside of scheduled work day, Per Technician	50.33	24.12

22.5.3 Maintenance of Services

A. The maintenance of service charges are as follows:

1. The charges for maintenance of service are as follows:

(a)	Basic time, regularly scheduled working hours, per technician	44.12	17.91
(b)	Overtime, outside of regularly scheduled working hours on a scheduled work day, per technician[1]	47.22	21.01
(c)	Premium time, outside of scheduled work day, per technician[1]	50.33	24.12

22.5.4 Restoration Priority

		Nonrecurring Charge
(a)	Restoration Priority, per Service arranged	$104.02

[1] A call out of a Company employee at a time not consecutive with the employee's scheduled work period subject to a minimum charge of four hours.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.5 Presubscription

A. The nonrecurring charge for Presubscription is as follows:

1. Presubscription, per Telephone Exchange Service line or trunk

		Nonrecurring Charge
(a)	Each[1,2]	$5.00

22.5.6 Testing Service

1. Switched Access

a. Additional Cooperative Acceptance Testing

(1) Testing Rates, per technician

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic Time (Regularly scheduled work hours.)	$43.75	$17.54
(b)	Overtime (Outside regularly scheduled work hours on a scheduled work day.)	47.02	20.81
(c)	Premium Time (Outside scheduled work day.)[3]	50.29	24.08

b. Automatic Scheduled Testing (AST)

(1) To first point of switching, per test ordered, per year

		Monthly Rate
(a)	1004 Hz Loss[4,5,6] per transmission path	$0.06
(b)	C Message Noise [4,5,6] per transmission path	0.06
(c)	Return Loss (Balance) [4,5,6] per transmission path	0.06
(d)	Gain Slope4 per transmission path	0.06
(e)	C Notched Noise, per transmission path	0.06

[1] This charge is billed to the end user which is the subscriber to the telephone exchange service.
[2] This charge is billed when the pre-designated IC is an intrastate IC. If the IC is an interstate/intrastate carrier then this rate will apply in lieu of the same rate in the appropriate interstate tariff.
[3] A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.
[4] The IC may specify a more frequent schedule of tests, 60 days prior to the start of the IC prescribed schedule.
[5] These three test represent the minimum offering, i.e., an order for testing must at a minimum, consist of twelve 1004Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The additional test listed may be ordered by the IC at additional charges, 60 days prior to the start of the IC presubscribed schedule.
[6] Subject to a one year minimum contract period.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

1. Switched Access (Cont'd)

c. Cooperative Scheduled Testing (CST)

(1) To first point of switching, per test ordered, per year

		Monthly Rate
(a)	1004 Hz Loss,[1,2,3] per transmission path	$0.34
(b)	C Message Noise,[1,2,3] per transmission path	0.25
(c)	Return Loss (Balance), [1,2,3] per transmission path	0.55
(d)	Gain Slope, per transmission path	0.34
(e)	C Notched Noise, per transmission path	0.25

d. Manual Scheduled Testing (MST)

(1) To first point of switching, per test ordered, per year

(a)	1004 Hz Loss, per transmission path	0.90
(b)	C Message Noise, [1,2,3] per transmission path	0.59
(c)	Return Loss (Balance), [1,2,3] per transmission path	1.20
(d)	Gain Slope, per transmission path	0.90
(e)	C Notched Noise, per transmission path	0.59

e. Nonscheduled Testing (NST)

(1) Cooperative Testing:

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic, regularly scheduled work hours, per technician	$43.75	$17.54
(b)	Overtime, outside regularly scheduled work hours on a scheduled work day, per technician	47.02	20.81
(c)	Premium, outside scheduled work day, per technician[1]	50.29	24.08

[1] The IC may specify a more frequent schedule of tests, 60 days prior to the start of the IC prescribed schedule.
[2] These three test represent the minimum offering, i.e., an order for testing must at a minimum, consist of twelve 1004Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The additional test listed may be ordered by the IC at additional charges, 60 days prior to the start of the IC presubscribed schedule.
[3] Subject to a one year minimum contract period.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

1. Switched Access (Cont'd)

e. Nonscheduled Testing (NST) (Cont'd)

(2) Manual Testing

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic, regularly scheduled work hours, per technician	$43.93	$17.72
(b)	Overtime, outside regularly scheduled work hours on a scheduled work day, per technician	47.12	20.91
(c)	Premium, outside scheduled work day, per technician[1]	50.31	24.10

(3) Automatic Testing, to first point of switching, per test performed:

		Rate
(a)	1004 Hz Loss	$12.44
(b)	C Message Noise	12.44
(c)	Return Loss (Balance)	12.44
(d)	Gain Slope	12.44
(e)	C Notched Noise	12.44

2. Special Access

a. Additional Cooperative Acceptance Testing (ACAT)

(1) Applies to the following tests:

VG1 through 3: Attenuation Distortion, C-Message Noise and Balance (Return Loss)

VG6 through 12: Attenuation Distortion, C-Message Noise, Balance (Return Loss), Impulse Noise, Phase Jitter, Intermodulation Distortion, Envelope Delay Distortion and Frequency Shift

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic time, regularly scheduled work hours, per technician	$44.12	$17.91
(b)	Overtime, outside or regularly scheduled work hours on a scheduled work day, per technician	47.22	21.01
(c)	Premium time, outside of scheduled work day, per technician[1]	50.33	24.12

[1] A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.6 Testing Service (Cont'd)

2. Special Access
   b. Nonscheduled Testing (NST)
      (1) Testing Rates, per technician

		First Half Hour Or Fraction Thereof	Each Additional Half Hour Or Fraction Thereof
(a)	Basic time (Regularly scheduled work hours)	$44.12	$17.91
(b)	Overtime (Outside regularly scheduled work hours on a scheduled work day)	47.22	21.01
(c)	Premium time (Outside scheduled work day)[1]	50.33	24.12

22.5.7 Equal Access Subscription

A. The nonrecurring charges for a change in IntraLATA Subscription are as follows:

1. Subscription change when not performed simultaneously with interLATA PIC change to the same carrier, per line or trunk

		Nonrecurring Charge
(a)	billed to the end user or pay telephone location provider or its authorized agent	$5.00
(b)	billed to the end user or pay telephone location provider or its authorized agent	1.25

2. Subscription change when performed simultaneously with the interLATA PIC change to the same carrier, per line or trunk

(a)	billed to the end user or pay telephone location provider or its authorized agent	5.00
(b)	billed to the end user or pay telephone location provider or its authorized agent	0.62

[1] A call-out of a Company employee at a time no consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.5 Engineering, Labor and Miscellaneous Charges (Cont'd)

22.5.7 Equal Access Subscription (Cont'd)

B. The nonrecurring charge for an unauthorized change in IntraLATA Subscription is as follows:

1. Unauthorized Subscription Change

(a)	per business or residence line or trunk[1]	19.41
(b)	billed to the end user or pay telephone location provider or its authorized agent	0.62

[1] If an unauthorized change in IntraLATA and InterLATA Subscription occurs at the same time, on the same Business, Residence line or trunk, and the Subscribed IC is the same IC for IntraLATA and InterLATA Subscription, the IC will be assessed one unauthorized Subscription charge as provided in the National Exchange Carrier Association's Tariff FCC No. 5, Section 17.4.4. In addition, the IC will be assessed the applicable PIC change charge for returning the end user or location provider or its authorized agent to their preferred intraLATA subscribed IC as provided in 22.5.7.A. preceding. Additionally, the applicable PIC change charge, as provided in National Exchange Carrier Association's Tariff FCC No. 5, Section 17.4.4 will be assessed to the IC to return the end user or location provider or its authorized agent to their previous authorized carrier.

22. RATES AND CHARGES – Yadkin Valley Telephone Membership Corporation

22.6 IntraLATA Toll Originating Responsibility Plan (ITORP)

A. Access compensation rates, IntraLATA toll DA and Billing and Collection rates are specified following. For other applicable access charges, refer to the intrastate switched access charges specified in the applicable Access Tariff on file for the terminating LEC.

1. IntraLATA Toll

		Rate
(a)	Directory Assistance, per call	$0.5000
(b)	Billing and Collection, per message	0.0666

B. Network Compensation Rates

(a)	Rates Per Minute of Use	0.0045