COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

PROPOSED RESTRUCTURING AND REPRICING OF SOUTH CENTRAL BELL TELEPHONE COMPANY'S PRIVATE LINE SERVICES TARIFF AND ACCESS SERVICES TARIFF	)))))	CASE NO. 10477

O R D E R

INTRODUCTION

On November 15, 1988, South Central Bell Telephone Company ("South Central Bell") filed a notice of intent to file a reprice and restructure of its intrastate Private Line Services Tariff and Special Access Services Tariff. The tariffs and required supporting documentation were filed on December 15, 1988. On January 3, 1989, AT&T Communications of the South Central States, Inc. ("AT&T") and MCI Telecommunications Corporation filed motions for full intervention. The motions were granted on January 5, 1989. On January 10, 1989, the tariff filing was suspended for investigation and a public hearing was scheduled. On February 8, 1989, AmeriCall Systems of Louisville filed a motion for full intervention. The motion was granted on February 14, 1989. On March 2, 1989, Telcor, Inc. d/b/a TMC of Louisville and Telemarketing Communications of Evansville, Inc. filed a motion for full intervention. The motion was granted on April 17, 1989. On May 9, 1989, South Central Bell filed a motion to reschedule

the public hearing and stipulated a waiver of the suspension period. The motion was granted on May 10, 1989.

Prefiled testimony was filed as follows:

1. On behalf of South Central Bell, the prefiled testimony of John F. Dorsch, operations manager, rates and economics department, filed on March 17, 1989.

2. On behalf of AT&T, the prefiled testimony of L. G. Sather, staff manager, marketing plans implementation, filed on May 5, 1989.

On August 29, 1989, a public hearing was held to permit the introduction of testimony and the cross-examination of witnesses. The Transcript of Evidence was filed on September 11, 1989.

Post hearing briefs were filed as follows:

1. AT&T, on September 22, 1989.
2. South Central Bell, on September 25, 1989.
3. Reply brief of AT&T, on October 2, 1988.

All information requested by the parties and the Commission through discovery and at the hearing has been filed.

DISCUSSION

The Application

South Central Bell proposed to reprice its private line and special access services in order to achieve comparable rates for comparable services offered in the tariffs and to achieve compensatory rates that reflect the relative "market value" of the

services offered in the tariffs.[1] Rates were developed based on market prices tested against incremental cost.[2] Market prices were developed based on alternative technologies available to end-users and interLATA[3] carriers.[4] Non-recurring charges were set at or near cost to encourage service entry.[5] Rates for "grandfathered" services were adjusted based on a 15 percent across-the-board adjustment.[6]

The Commission will not rule on whether incremental cost is the appropriate method to use in pricing private line and special access services. It is sufficient to advise the parties that the Commission's reservations concerning the use of incremental cost to price services have been stated elsewhere and need not be repeated here.[7] In any event, cost information filed in this case

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1 Prefiled testimony of John F. Dorsch, page 6 and Transcript of Evidence, pages 11-12.

2 Prefiled testimony of John F. Dorsch, page 6 and Transcript of Evidence, page 19.

3 Local Access and Transport Area.

4 Prefiled testimony of John F. Dorsch, page 6-7 and Transcript of Evidence, pages 58-59.

5 Transcript of Evidence, pages 20-21.

6 Prefiled testimony of John F. Dorsch, page 7 and Transcript of Evidence, page 12.

7 For example, Case No. 10402, The Tariff Filing of South Central Bell Telephone Company to Restructure and Reprice its 1.544 Megabit Service, Order dated April 10, 1989; Case No. 10403, The Tariff Filing of South Central Bell Telephone Company to Restructure its LightGate Service Tariff, Order dated April 10, 1989; and Case No. 10321, The Tariff Filing of South Central Bell Telephone Company to Establish PulseLink Public Packet Switching Network Service and Data Transport Access Channel Service, Order dated May 26, 1989.

indicates that the proposed rates are compensatory based on incremental cost and provide a contribution above incremental cost.[8] Other information indicates that the proposed rates may not be compensatory on either an embedded or fully allocated cost basis.[9] For example, based on the most recent embedded direct cost analysis and assuming no change in cost since the analysis was prepared, the proposed rates would change the composite private line and special access services revenue to cost ratio from 0.84 to 0.92.[10] Admittedly, the assumption of no change in cost is of questionable validity. Likewise, based on more recent fully allocated cost information, the proposed rates may not be compensatory. The latter information, however, is flawed in that local private line is not disaggregated from the total of local services.

The Commission finds that the proposed rates are reasonable and should be approved, except as discussed elsewhere in this Order and as specified in Appendix A. The evidence indicates that the proposed rates are compensatory on an incremental cost basis and move toward cost on both an embedded and fully allocated cost basis. The Commission will not require further rate adjustments

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8 See Cost Support, Private Line Cost and Contribution, filed with the application.

9 South Central Bell's Response to AT&T's Request for Information, filed on March 10, 1989, Item 1 and South Central Bell's Response to the Commission's Request for Information, filed on March 10, 1989, Item 1.

10 Cf., Transcript of Evidence, pages 61-63.

based on either embedded or fully allocated cost at this time, in order to avoid additional rate shock.[11]

South Central Bell also proposed to restructure its private line and special access services, with the bulk of the structural changes made to the Private Line Services Tariff.[12] The most significant change involves the elimination of the distinction between interexchange and intraexchange service for mileage rating purposes. Under the existing tariff, interexchange mileage is determined based on exchange rate center coordinates and intraexchange interoffice mileage is determined based on the distance between the serving wire center and the primary wire center. Under the proposed tariff, interexchange and intraexchange interoffice mileage will be determined based on the airline distance between serving wire centers, which is consistent with the Special Access Services Tariff. In addition, channel element names have been changed for consistency between the Private Line and Special Access Services Tariffs.

Other structural changes include the transfer of tie lines and extension lines from the General Subscriber Services Tariff to the Private Line Services Tariff; the grandfathering of customer operator center service, digital dataphone service, and telegraph grade service, due to the gradual decay of demand for these services; and the elimination of wideband analog and wideband data services, due to the lack of demand for these services.

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[11] Cf., Transcript of Evidence, pages 66-67.

[12] Prefiled testimony of John F. Dorsch, pages 4-5.

The basic elements of the proposed rate structure are flat rate local channels, mileage sensitive interoffice channels, and optional features and functions.

The Commission finds that the proposed restructure of the Private Line Services Tariff and Special Access Services Tariff is reasonable and should be approved as specified in Appendix A. The changes in tariff structure should improve customer understanding and business administration.

Revenue Impact

South Central Bell proposed to increase private line services revenue in the amount of $1,259,000. This represents a revenue increase of 9.59 percent. Also, South Central Bell proposed to increase special access services revenues in the amount of $723,000. This represents a revenue increase of 25.97 percent. The total increase to private line and special access services is $1,982,000. South Central Bell proposed to offset the total revenue increase with a reduction to carrier common line charges in the amount of $1,987,000.

The average impact on customer bills is difficult to determine. For example, although private line services revenue will increase 9.59 percent, some customers will receive increased bills and other customers will receive decreased bills. This outcome is an unavoidable result of repricing and restructuring the Private Line Services Tariff. In general, the most significant increases will occur in subvoice grade private line services, where customers could experience bill increases on the order of 55 percent. The Commission is sympathetic to concerns

about bill increases of such a magnitude. However, the evidence indicates that the proposed rates are reasonable and necessary to avoid the subsidization of private line services by other services. Moreover, at least in some cases, customers can migrate to lower priced alternative services.

As indicated above, South Central Bell proposed to offset the total increase in private line and special access services revenue with a reduction to carrier common line charges. However, at the public hearing, South Central Bell's witness indicated that other alternatives were reasonable,[13] i.e., the implementation of proposed revenue reduction through the schedule of rate reductions adopted in Case No. 10105.[14]

The Commission finds that the proposed revenue reduction should be implemented through the schedule of rate reductions adopted in Case No. 10105. That schedule of rate reductions was ordered after thorough analysis and an investigation that included numerous parties with conflicting points of view, including AT&T and South Central Bell. It requires reasonable rate reductions that are consistent with the public interest and the proposal to reduce carrier common line rates in this case is contrary to the

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13 Transcript of Evidence, pages 70-72.

14 Case No. 10105, Investigation of the Kentucky Intrastate Rates of South Central Bell Telephone Company. Transcript of Evidence, page 72.

schedule. Also, the Commission is considering issues in Administrative Case No. 323[15] that could be complicated by a reduction to carrier common line charges in this case. In Administrative Case No. 323, AT&T and a coalition of local exchange carriers have proposed a joint motion to implement intraLATA competition. In the joint motion, 1988 interLATA access services revenue, including carrier common line revenue, and intraLATA toll service settlements are treated as revenue requirements. Therefore, a reduction to carrier common line charges in this case could complicate decisions concerning the joint motion or similar plans, because their adoption would negate the revenue reduction required in this case.

Unified Tariff

AT&T contends that the Private Line Services Tariff and the Special Access Services Tariff should be combined and that resale restrictions in the Private Line Services Tariff should be eliminated. AT&T states:

> The Kentucky consumer is harmed because the inter-exchange company is forced to buy exclusively from the Special Access Tariff and is therefore not able to offer the customer a competitively priced end-to-end service. Today a customer cannot obtain the most economical interLATA service configuration on an end-to-end basis

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15 Administrative Case No. 323, An Inquiry Into IntraLATA Toll Competition, An Appropriate Compensation Scheme for Completion of IntraLATA Calls by Interexchange Carriers, and WATS Jurisdictionality. WATS is an acronym for Wide Area Telecommunications Service.

> from a single source. It must obtain its interLATA private line segments from an interLATA carrier while its least expensive access is obtained from a local exchange carrier. If interLATA carriers were able to purchase access (intraLATA segments) at private line rates under a unified tariff they could configure an end-to-end interLATA network for customers with one supplier responsible for provisioning and maintenance.[16]

Elsewhere, AT&T states, along the same lines:

> AT&T generally supports South Central Bell's efforts in this docket to bring parity to rates for similar services. However, South Central Bell's tariffs in this case fall considerably short of eliminating the disparity between the prices, terms and conditions which exist between its intraLATA private line and special access services. All customers, AT&T included, would be better served if all intraLATA dedicated facilities, which are for all practical purposes substituted for one another, were offered under a single, unified tariff without the anachronistic, arbitrary and unsupportable restrictions South Central Bell would impose on its facility offerings. At a very minimum, South Central Bell should be required to remove all resale restrictions from its proposed private line tariff.[17]

In support of its position, AT&T argues that elimination of separate tariffs has been a longstanding regulatory goal and notes that other state jurisdictions and the Federal Communications Commission have required unified tariffs.[18] Second, AT&T argues that private line and special access services are functionally equivalent and should be tariffed under the same prices and terms and conditions of service.[19] Third, AT&T argues

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16 Prefiled testimony of L. G. Sather, page 15.

17 Post Hearing Brief of AT&T, page 2.

18 Ibid., pages 2-3.

19 Ibid., pages 3-6.

that South Central Bell markets intraLATA private line services as access services and that AT&T should have the same opportunity to market intraLATA private line services.[20] This issue has been addressed in other cases and will not be reconsidered in this case.[21] Finally, AT&T argues that implementation of a unified tariff will not disadvantage South Central Bell through erosion of toll services revenue.[22]

South Central Bell contends that while private line and special access services circuit configurations are often similar, the functions served are different. That is:

> Private Line and Special Access differ significantly in the functions to be served. As noted above, the Private Line Tariff is intended to provide dedicated services to an end user, while the Special Access Tariff provides connections to interexchange carriers and end users for access to interLATA services. These functional differences mandate that South Central Bell make distinctions between categories of customers. In the Special Access Tariff, the customer is generally an interexchange carrier -- a provider whose service is for hire. In contrast, the Private Line Tariff customer is an end user -- a customer who uses the services of a carrier. Special Access service is resold by carriers to end users, while the Private Line Tariff contains a prohibition against resale. In the past this Commission has recognized the distinctions between these two customer categories and functions of the offerings by approving separate tariffs. Moreover, South Central Bell has developed separate billing systems that serve these categories of customers.[23]

South Central Bell further contends that:

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20 Ibid., pages 6-7.

21 Case Nos. 10402 and 10403, Order dated July 19, 1989.

22 Post Hearing Brief of AT&T, page 8.

23 Prefiled testimony of John F. Dorsch, pages 2-3.

> A single, unified tariff would have the potential to make today's end users look like interexchange carriers. By obtaining services out of a single, unified tariff, end users could also resell spare capacity as carriers do today. Such resale, utilizing flat rated private line services, would increase the level of at-risk intraLATA MTS/WATS revenues. This development would require end users to be certified by this Commission and file tariffs, creating a morass of regulatory proceedings.[24]

In spite of these objections, South Central Bell agrees that a unified tariff may be appropriate at some future time.[25]

South Central Bell reiterates and elaborates on these points in its post hearing brief. South Central Bell argues that: (1) the "AT&T proposal is another attempt to receive authorization to resell intraLATA services,"[26] and notes that such authority was denied in two recent cases involving private line services;[27] (2) the Commission must reject AT&T's proposal because the impact of the proposal is not known;[28] (3) a unified tariff would create a new group of utility providers;[29] (4) the existing rate structure is not discriminatory in that end-users can purchase services from the Private Line Services Tariff on an equal basis and interLATA

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24 Ibid., page 3. MTS is an acronym for Message Telecommunications Service.

25 Ibid., pages 3-4 and Post Hearing Brief of South Central Bell, page 6.

26 Post Hearing Brief of South Central Bell, page 6.

27 Case Nos. 10402 and 10403. See footnote 19.

28 Post Hearing Brief of South Central Bell, pages 7-8.

29 Ibid., pages 8-9.

carriers can purchase services from the Special Access Services Tariff on an equal basis;[30] and (5) AT&T has the ability to offer end-to-end network management to its customers under the existing bifurcated tariff structure.[31]

The Commission is persuaded that neither a unified tariff nor the removal of resale restrictions from the Private Line Services Tariff is required at this time. The impact of a unified tariff on its operations and the operations of other local exchange carriers is not known. Furthermore, private line-based intraLATA competition is under consideration in Administrative Case No. 323. Thus, a unified tariff and removal of resale restrictions would be premature. Also, it appears to the Commission that AT&T can enjoy the benefits its seeks from a unified tariff under the existing bifurcated tariff arrangement, with the exception of limited price advantages that may or may not be material to end-to-end service management.

Effective Date

As proposed, the changes to South Central Bell's Private Line Services Tariff and Special Access Services Tariff were scheduled to be effective 30 days after the filing date, consistent with statutory notice requirements. However, due to the need to train

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30 Ibid., pages 9-10. End users can also purchase services from the Special Access Services Tariff on an equal basis.

31 Ibid., page 10.

service representatives and convert billing records, changes in rates could not be billed and changes in the terms and conditions of service could not be enforced until 120 days after the effective date.[32]

South Central Bell indicated that it did not intend to bill customers retroactive to the effective date of the tariff changes,[33] but rather to bill customers prospectively from the actual implementation date of the tariff changes, consistent with the normal billing cycle.[34] Furthermore, South Central Bell agreed that actual implementation could not occur until approximately 120 days after the entry of an Order in this case.[35] Accordingly, the rates and charges and terms and conditions of service specified in Appendix A should be effective on or after February 15, 1990 coinciding with customer billing dates and South Central Bell should file revised tariff pages by January 15, 1990.

FINDINGS AND ORDERS

The Commission, having considered the evidence of record and being otherwise sufficiently advised, finds that:

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32 Transcript of Evidence, pages 54-56.

33 Ibid., page 54.

34 Ibid., page 55.

35 Ibid., pages 54-55 and Post Hearing Brief of South Central Bell, page 4.

1. South Central Bell's proposal to reprice and restructure its Private Line Services Tariff and Special Access Services Tariff should be approved, except as discussed in this order and as specified in Appendix A, which is attached hereto and incorporated herein.

2. The proposed revenue reduction should be implemented through the schedule of rate reductions adopted in Case No. 10105.

3. A unified Private Line Services Tariff and Special Access Services Tariff should not be required at this time and resale restrictions should not be removed from the Private Line Services Tariff.

4. The rates and charges and terms and conditions of service specified in Appendix A should be effective on or after February 15, 1990 coinciding with customer billing dates and South Central Bell should file revised tariff pages by January 15, 1990.

Accordingly, the above findings are HEREBY ORDERED.

Done at Frankfort, Kentucky, this 16th day of October, 1989.

PUBLIC SERVICE COMMISSION

Chairman

Vice Chairman

Commissioner

ATTEST:

Executive Director

APPENDIX A

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE COMMISSION IN CASE NO. 10477 DATED 10/16/89

The following rates and charges are prescribed for the customers in the area served by South Central Bell Telephone Company. All other rates and charges not specifically mentioned herein shall remain the same as those in effect under authority of this Commission prior to the effective date of this Order.

GENERAL SUBSCRIBER SERVICES TARIFF

A8. TELEPHONE ANSWERING SERVICE FACILITIES

A8.2 Rates and Charges

A8.2.2 Concentrator-Identifier Arrangements

A. Rates And Charges

1. Concentrator-identifier unit equipped for from 40 lines and 2 trunks to 100 lines and 6 trunks. Basic Termination Charge applies to 60 months.

(g) Control Circuits - (See Private Line Services Tariff.)
(h) (DELETED)

A8.2.6 Obsoleted - See Section A108.

A13. MISCELLANEOUS SERVICE ARRANGEMENTS

A13.25 Channels For Extension Line

A13.25.1 General

A. Extension stations are stations which are located within the same building as the main station. Where extension service is provided at other locations, extension line charges are applicable as set forth following.

B. Channels for Extension Line Service are classified as series 2100. These channels may also be furnished on a link (partial channel) basis when connected to FlexServ service, LightGate service, and/or MegaLink Channel Service.

C. (DELETED)

D. The customer is responsible for determining that his terminal equipment is compatible with the service provided by the Company.

F. Rates and charges for expediting the installation of service are as specified in Section A4. of this Tariff. For Type 2157 channels the charges for the appropriate residence or business class of service applies.

A13.25.2 Methods of Applying Rates

A. The method of applying rates for two-point service is determined as follows:

2. Interoffice Channel

When extension stations are located in a wire center serving area different from the main station, interoffice mileage charges as contained in Section A9. of this Tariff will apply. Charges are based on the airline distance between the serving central offices.

4. (DELETED)[2]

Note 2: Channels which provide this service are now located in Section B3. of the Private Line Services Tariffs.

A13.25.3 Description of Services

A. Basic Parameters and Specifications for Extension Service used with terminal equipment are described for the end-to-end operation as follows:

1. Specification Or Limit

A. Basic Parameters

(1) Net Loss

(DELETED)

Local Channels used with terminal equipment: Limited as specified in the following Local Channel descriptions. Losses or gains present in station equipment have not been included.

(2) DC Resistance

(DELETED)

Local Channels used with terminal equipment: Limit as specified in the following Local Channel descriptions. Does not imply or guarantee end-to-end dc continuity.

B. (DELETED)[2]

Note 2: Channels which provide this service are now located in Section B3. of the Private Line Services Tariffs.

C. Local Channels for use with terminal equipment are described following:

(DELETED)

1. (DELETED)[2]

Note 2: Channels which provide this service are now located in Section B3. of the Private Line Services Tariffs.

2. (DELETED)[2]

Note 2: Channels which provide this service are now located in Section B3. of the Private Line Services Tariffs.

3. Type 2157 - A two wire interface with effective two wire facilities engineered for a 1000HZ net loss not to exceed 5.5db. Suitable for off premises station (Non-PBX) and bridged in the wire center - Loop signaling is provided.

4. (DELETED)[2]

Note 2: Channels which provide this service are now located in Section B3. of the Private Line Services Tariffs.

A13.25.4 Rates and Charges

A. (DELETED)[2]

Note 2: Channels which provide this service are now located in Section B3. of the Private Line Services Tariffs.

B. For use with terminal equipment

1. Local Channels, each

(a) (DELETED)[2]

Note 2: Channels which provide this service are now located in Section B3. of the Private Line Services Tariffs.

(b) (DELETED)[2]

Note 2: Channels which provide this service are now located in Section B3. of the Private Line Services Tariffs.

(d) (DELETED)[2]

Note 2: Channels which provide this service are now located in Section B3. of the Private Line Services Tariffs.

C. (DELETED)[2]

Note 2: Channels which provide this service are now located in Section B3. of the Private Line Services Tariffs.

D. Obsoleted - See Section A113.

E. Interoffice channel including channel terminals for use with local channels

1. Per channel

For rates and charges see Section A9.

(a) (DELETED)
(b) (DELETED)
(c) (DELETED)

G. (DELETED)[2]

Note 2: Signaling options and arrangements are now located in Section B3. of the Private Line Services Tariff.

H. (DELETED)[2]

Note 2: Signaling options and arrangements are now located in Section B3. of the Private Line Services Tariff.

I. (DELETED)[2]

Note 2: Signaling options and arrangements are now located in Section B3. of the Private Line Services Tariff.

A13.25.5 Non-Recurring Charges

(DELETED)

A. (DELETED)

B. (DELETED)

C. (DELETED)

D. (DELETED)

E. (DELETED)

F. (DELETED)

G. (DELETED)

H. (DELETED)

I. Schedule Of Charges

1. Type 2157

c. For non-wire center connected channels The service charges specified in Section A4. applies.

2. (DELETED)

J. Service Expediting Charge

A13.26 (DELETED)[2]

Note 2: Channels which provide Tie Line Service are now located in Section B3. of the Private Line Services Tariff. See Sections A12. and A111. for ESSX-1 Tie Line Terminating Arrangements and Section A14. for Centrex Tie Line Terminations.

A108. OBSOLETE SERVICE OFFERINGS - TELEPHONE ANSWERING FACILITIES

A108.2 Rates and Charges

A108.2.6 Customer Operating Center Service

(Obsoleted 02-15-90, Type D; customers may continue to activate channels within their existing size of service cable.)

A. Customer Operating Center Service (COCS) is designed for use by Telephone Answering Bureaus which utilize large quantities of local channel of the types described in A108.2.6.E. between their locations and the serving wire center.

D. Method Of Applying Rates

1. Complement of Cable Pairs

a. COCS is provided by using complement of cable pairs in the size and length specified in A108.2.6.E. following.

3. Nonrecurring Charge

A service charge applies for a connection or change of each local channel activated within the complement of cable pairs. The service charge is as specified in item A108.2.6.F. following.

E. Monthly Rates - COC Service

1. Airline distance in 1/4 mile or fraction thereof

a. Per complement of cable pairs

(1) 50 pairs

	Monthly Rate
(b) 1/2 mile	$ 293.25
(c) 3/4 mile	615.25
(d) 4/4 mile	966.00
(e) 5/4 mile	1,242.00

(2) 100 Pairs

(b) 1/2 mile	299.00
(c) 3/4 mile	626.75
(d) 4/4 mile	994.75
(e) 5/4 mile	1,282.25

(3) 200 Pairs

(b)	1/2 mile	$ 368.00
(c)	3/4 mile	787.75
(d)	4/4 mile	1,282.25
(e)	5/4 mile	1,592.75

(4) 300 Pairs

(b)	1/2 mile	437.00
(c)	3/4 mile	920.00
(d)	4/4 mile	1,506.50
(e)	5/4 mile	1,868.75

(5) 400 Pairs

(b)	1/2 mile	517.50
(c)	3/4 mile	1,086.75
(d)	4/4 mile	1,771.00
(e)	5/4 mile	2,213.75

(6) 600 Pairs

(b)	1/2 mile	695.75
(c)	3/4 mile	1,454.75
(d)	4/4 mile	2,380.00
(e)	5/4 mile	2,967.00

(7) 900 Pairs

(b)	1/2 mile	897.00
(c)	3/4 mile	1,886.00
(d)	4/4 mile	3,093.50
(e)	5/4 mile	3,841.00

(8) 1200 Pairs

(b)	1/2 mile	1,178.75
(c)	3/4 mile	2,415.00
(d)	4/4 mile	3,956.00
(e)	5/4 mile	4,922.00

b. Per local channel activated

(2) Channel Type 2106
(Patron Billing)

(a)	1/4 mile	6.90
(b)	1/2 mile	6.90
(c)	3/4 mile	6.90
(d)	4/4 mile	6.90
(e)	5/4 mile	6.90

(3) Channel Type 2107

(a)	1/4 mile	$ 6.33
(b)	1/2 mile	6.33
(c)	3/4 mile	6.33
(d)	4/4 mile	6.33
(e)	5/4 mile	9.09

c. See Private Line Services Tariff B103.10. for rates.

(1) Channel Type 1204
(2) Channel Type 1205
(3) Channel Type 2463
(4) Channel Type 2464
(5) Channel Type 2230

F. Nonrecurring Charges

Service charge for local channel activated

1. An installation charge applies to each Type 2106 local channel activated in addition to the nonrecurring charges specified in Section A4.

	Installation Charge
(a) Charges billed to the client	$28.18

2. The service charge for the connection or change of each 2107 local channel activated within a complement of cable pairs is as follows:

b. Service Ordering Charge

(2) The term "per customer request" as specified in A108.2.6.F.2.b.(1) preceding means all work or service ordered by the customer to be performed or provided at the same time. Only one service ordering charge applies when more than one local channel is ordered at the same time.

e. Schedule of Charges

(1) Service Ordering Charge, per customer request

	Charge
(a) Type 2107	$149.50

(2) Visit Charge

(a) Type 2107	16.68

(3) Channel Connecting Charge

(a) Type 2107	$120.75

A113. OBSOLETE SERVICE OFFERINGS - MISCELLANEOUS SERVICE ARRANGEMENTS

A113.25 Extension Line Channels

A113.25.2 Methods of Applying Rates

A. Channels Between Buildings on the Same Premises (Obsoleted 01-01-87, Type D; not available for new installations, moves or transfers. Existing customers may add channels only to the extent that they are available, Tariff Reference Section A13.)

These channels are provided to extend exchange, Centrex or ESSX-1 service terminated in a non-button telephone to another building on the same premises or to extend communications systems such as PBX or Key systems to other buildings on the same premises....

A113.25.4 Rates and Charges

A. Channels Between Buildings on the Same Premises

(Obsoleted 01-01-87, Type D; not available for new installations, moves or transfers. Existing customers may add channels only to the extent that they are available, Tariff Reference Section A13.)

1. Per Two Point Channel

The rates and charges in this Tariff for channels between buildings on the same premises are applicable only for those facilities in place as of June 5, 1983. On premises cables placed after June 5, 1983 will be provided based on cost.

	Installation Charge	Monthly Rate
(a) Each 1/4 mile or fraction thereof	$50.30	$2.65
(b) Minimum charge		5.29

A113.26 Tie Line Service

A113.26.2 Rates and Charges

A. Tie lines in different buildings on the same premises (Obsoleted 01-01-87, Type D; not available for new installations, moves or transfers. Existing customers may add channels only to the extent that they are available, Tariff Reference Section A13.)

1. These tie lines are not furnished to connect customer-provided systems.

	Monthly Rate
(b) Minimum monthly charge for each tie line	$8.28

B. Tie Lines in the Same Building (Obsoleted 01-01-87, Type D; not available for new installations, moves or transfers. Existing customers may add channels only to the extent that they are available, Tariff Reference Section A13.)

1. These tie lines are not furnished to connect customer-provided systems. Tie lines provided between systems

	Installation Charge	Monthly Rate
(a) Each	$50.30	$8.28

PRIVATE LINE SERVICES TARIFF

B2. REGULATIONS

B2.1 Undertaking Of The Company

B2.1.4 Provision Of Facilities

A. The Company or the Company and other carriers will provide all facilities necessary for private line service, except that, the customer or authorized user may provide his own terminal equipment or communications systems for use with such service as specified in B2.1.4.A.1. through 6. following, or as otherwise specified hereinafter.

1. When a private line is used for voice communications for the purpose of remote operation of mobile radiotelephone systems, it is contemplated that the customer or authorized user shall provide all station apparatus for such use.

2. Where the customer or authorized user provides his own communications system or terminal equipment, the customer or user, except as provided in B2.6.3.A. following, may provide all station apparatus and associated channels which are a part of the system and which are located on the same customer's premises as the system.

3. When a private line is used for teletypewriter transmission, the teletypewriter equipment may be provided by the customer or authorized user. On a given private line at a given premises all such equipment must be provided by the customer or authorized user. Such equipment must operate at a line signaling speed not to exceed that specified for the channel facilities furnished.

4. When a private line is used for data transmission which requires terminal equipment (data sets) as specified in B2.6.4.G. following, such data sets may be provided by the customer or authorized user except that the Company shall furnish all data sets, located in the Company's central offices. Where the customer or authorized user elects to provide his own data set(s) on a given private line, it shall be the responsibility of the customer or authorized user to ensure the continuing compatibility of such data set(s) with the facilities furnished by the Company.

5. When a private line is used for transmission purposes other than voice and teletypewriter except as specified in B2.1.4.A.1., 2. and 3. preceding, it is contemplated that the customer or authorized user will provide the station equipment for such other purposes.

B. The Company undertakes to maintain and repair the facilities which it furnished. The customer or authorized user may not rearrange, disconnect, remove or attempt to repair any equipment installed by the Company except upon the written consent of the Company.

B2.1.8 Restoration Priority

A. The use and restoration of service 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.

B. Subject to compliance with the above mentioned rules, where a shortage of channels of equipment exist at any time either for temporary or protracted periods, the establishment of Long Distance Message Telecommunications Service shall take precedence over all other services.

C. The Company will arrange a private line service for restoration priority on receipt of certification in conformance with the above mentioned rules. A charge applies when a request to provide or change a restoration priority is received subsequent to the issuance of an order to establish the service. No charge applies when a restoration priority is discontinued. Only one charge is applicable when equipment and its associated channels are arranged to have restoration priority at the same time.

1. Per Channel Service

	Nonrecurring Charge
(a) Charge	$27.00

B2.1.10 Deferment Of Start Of Services Or Channels

B. Where the special construction of such facilities has started, but is not complete, at the time of receipt by this Company of the customer's request, charges determined as set forth following apply:

2. Where the start of one or more, but not all of the services and channels (both interstate and intrastate furnished by all Companies) involved in the special construction is deferred, the lower the following charges applies for each month of the period of deferment:

a. The monthly charge for each local channel or interoffice channel involved in the special construction.

B2.2 Use

B2.2.1 Authorized Users

G. For the transmission of communications of a state or local government agency where the service is ordered for such agency by the United States Government pursuant to the Intergovernmental Cooperation Act of 1968.
(DELETED)

B2.2.3 Use By Others

A. Private line service shall not be used for any purpose for which a payment or other compensation shall be received by either the customer or any authorized user, or in the collection, transmission, or delivery of any communications for others, except as provided in B2.2.1.E. and F. preceding. This provision does not prohibit an arrangement between the customer and the authorized users to share the cost of the private line service.

B2.2.4 (DELETED)

B2.2.5 Private Lines May Be Used For Different Types Of Transmission Simultaneously

A private line may be used for different types of transmission simultaneously as provided in B2.2.5.A. and B2.2.6. following in accordance with the normal transmission characteristics of such a private line.

A. When used for the remote operation of a mobile radiotelephone system, it may be used simultaneously for voice communication and to transmit more than one tone in sequence or simultaneously for control purposes.

B. (DELETED)

B2.2.6 Additional Channels Created From A Channel

Additional channels may be created from a channel provided for private line service use as provided in B2.2.6.A., B. and C. following:

A. Customers or authorized users by use of their own equipment, and in accordance with the normal transmission characteristics of the private line, may create additional channels from channels furnished by the Company if the channels are furnished by the Company for, and if the channels thus created are used for

1. remote operation of mobile systems, or

2. remote metering, supervisory control or signaling purposes;

B. Customers or authorized users, by use of their own equipment, and in accordance with the normal transmission characteristics of the grade of channel ordered may create additional channels for any type of communications, except as specified in B2.2.6.A. preceding, by subdividing:

1. A channel of a type number lower than 6000 or a Series 10001.

C. The use of equipment provided by customers or authorized users to create additional channels from channels furnished by the Company is subject to the regulations contained in B2.6.1. and 2. following.

The Company makes no representation as to the suitability of the channels provided by it for such subdivision into additional channels by the customer.

B2.2.9 (DELETED)

B2.3 Obligations Of the Customer

B2.3.1 Customer Responsibilities

F. (DELETED)

G. The provision, installation and maintenance of sealed conduit with explosive-proof fittings between equipment in explosive atmospheres and points outside the hazardous area where connection may be made with regular facilities of the Company, and may be required to install and maintain equipment within the hazardous area if, in the opinion of the Company, injury or damage to Company employees or property might result from installation or maintenance by the Company.

B2.4 Payment Arrangements And Credit Allowances

B2.4.1 Payment Of Charges And Deposits

D. A charge of $10.00 will apply whenever a check or draft presented for payment for service is not accepted by the institution on which it is written.

E. A late payment charge of 1 1/2 percent (1 1/2%) applies to each subscriber's bill (including amounts billed in accordance with the Company's Billing and Collection Services Tariff) when the previous month's bill has not been paid prior to the next billing date. The late payment charge will not apply to any subscriber's bill with an unpaid balance totaling less than $25.00

F. At the option of the customer, all nonrecurring charges associated with an order for service may be billed over a three month period subject to the following:

- 50 percent of the total nonrecurring charges will be billed in the first monthly billing period after the charges are incurred, and 25 percent of the total nonrecurring charges plus an Extended Billing Plan Charge will be billed in each of the following two monthly billing periods.

- The Extended Billing Plan Charge is calculated at a rate of 1.0 percent per month or 12 percent annually, on the remaining balance of the nonrecurring charges.

- The customer may elect to pay all or any part of the unbilled charges before the expiration of the Extended Billing Plan. If payment is received by the Company prior to the next monthly billing date, such payment will be reflected in the calculation of the remaining balance to which the Extended Billing Plan Charge will apply. In order for the customer to prepay any part of the remaining

balance associated with the Extended Billing Plan, the customer must designate the amount of the payment to be credited to such remaining balance.

- If the customer disconnects service before the expiration of the plan period, all unbilled charges plus the Extended Billing Plan Charge, if applicable, will be included in the final bill rendered.

- If the customer fails to make any of the payments prior to the next billing date, these late payment charges as specified in B2.4.1.E. preceding will apply.

B2.4.4 Cancellation Of Application For Service

A. Where the applicant cancels an application for service prior to the start of special construction of facilities, no charge applies.

B. (DELETED)

E. Special construction of facilities for a customer is considered to have started when the Company incurs any expense in connection therewith or in preparation therefor which would not otherwise have been incurred, provided:

1. The customer has advised the Company to proceed with the special construction, and

2. The Company has advised the customer that, in accordance with his order, it is commencing the special construction.

B2.4.6 Suspension Of Service

A. Private Line service may not be suspended in lieu of cancellation.

B. (DELETED)

B2.4.8 Allowance For Interruptions

A. When service is interrupted due to causes other than the negligence of the customer, or to the failure of facilities by the customer, a credit allowance will be made as set forth in B2.4.8.B. through E. following for the portion of the service which is affected. For the purpose of determining the amount of allowance every month is considered to have 30 days. Long Distance Message Telecommunication Service furnished at the customer's request, when his service utilizing a Type 2230 interoffice channel is interrupted, is charged for at the regular message toll telephone rates.

B. When service utilizing Series 6000 channels is interrupted for a period of thirty seconds or more credit is allowed as set forth following, on the basis of five minutes for each fraction thereof of interruption except that two or more such interruptions occurring during any period of five consecutive minutes shall be considered as one interruption.

The amount of the credit is equal to that portion of the difference between the monthly charge for the complete service and the monthly charge which would be applicable to that portion of the service not affected by the interruption that the period of interruption to be allowed for represents of the total time upon which the charge is based.

B2.4.12 Reserved For Future Use

B2.4.13 Service Order Modification

A. Service Date Change Charge

1. Service Order service dates for installation of new services or rearrangements of existing services may be changed, but the new service date may not exceed the original service date by more than 30 calendar days.

2. When, for any reason, the customer indicates that service cannot be accepted for a period not to exceed 30 calendar days, and the Company accordingly delays the start of service, a Service Date Change Charge will apply. If the customer requested service date is more than 30 calendar days after the original service date, the order will be cancelled by the Company and reissued with appropriate cancellation charges applied unless the customer indicates that billing for the service is to commence as set forth in B2.4.14.A. following.

3. A new service date may be established that is prior to the original service date if the Company determines it can accommodate the customer's request without delaying service dates for orders of other customers. If the service date is changed to an earlier date, the customer will be notified by the Company that Expedited Order Charges as set forth in B. following apply. Such charges will apply in addition to the Service Date Change Charge.

4. A Service Date Change Charge will apply, on a per occurrence basis, for each service date changed. The applicable charge is:

	Charge
(a) Per order	$27.00

B. Expedited Order Charge

1. If a customer desires that service be provided on an earlier date than that which has been established for the service order, the customer may request that service be provided on an expedited basis. If the Company agrees to provide the service on an expedited basis, an Expedited Order Charge will apply.

2. If the Company is subsequently unable to meet an agreed upon expedited service date, no Expedited Order Charge will apply unless the missed service date was caused by the customer.

3. The Expedited Order Charge is based on the extent to which the service order has been processed at the time the Company agrees to the service date improvement and is calculated as follows:

   a. Based on the critical dates associated with the service order, as defined in B2.4.14.B.4.b. following, the Company will determine which critical date will be next completed on the order.

   b. Using the table in B2.4.14.B.4.e. following and the critical date as determined preceding, the Company will determine the percent of the provisioning interval not yet completed, by subtracting the percent shown on the table from 100.

   c. The Company will apply this percentage to the sum of all the nonrecurring charges associated with the order and divide this sum by the number of days remaining in the original service interval.

   d. The per day charges so developed will then be applied on a per day of improvement basis, per order, but in no event shall the charge exceed fifty percent of the total nonrecurring charges associated with the service order.

4. When the request for expediting occurs subsequent to the issuance of the service order, a Service Date Change Charge as set forth in B2.4.13.A. also applies.

5. The Expedited Order Charge applicable to non-design circuits will be equal to 50 percent of the total nonrecurring charges associated with the service order.

B2.4.14 Cancellation of a Service Order

A. A customer may cancel a service order for the installation of service at any time prior to notification by the Company that service is available for the customer's use. The cancellation date is the date the Company receives written or verbal notice from the customer that the order is cancelled. If a customer is unable to accept service within 30 calendar days after the original service date, the customer has the choice of the following options:

- The service order shall be cancelled and charges set forth in B. following will apply, or

- Billing for the service will commence.

In any event, the cancellation date or the date billing is to commence (depending on which option is selected by the customer) shall be the 31st day beyond the original service date of the service order.

B. When a customer cancels a service order for the installation of service, a cancellation charge will apply as follows:

1. Costs incurred in conjunction with the provision of Private Line Service start on the Application Date as defined in 4.b. following.

2. When the customer cancels a service order prior to the Scheduled Issue Date, as defined in 4.b. following, no charges shall apply.

3. When the customer cancels a service order on or after the Scheduled Issue Date, a charge equal to the estimated costs incurred by the Company shall apply. Such charge is determined as specified in 4. following.

4. Charges applicable as specified in 3. preceding are based on the estimated costs incurred by the Company at the time the order is cancelled. The estimated costs incurred are determined based on the following:

   a. Certain Company critical dates are associated with a service order provisioning interval, whether standard or negotiated. These dates are used by the Company to monitor the progress of the provisioning process. At any point in the service order interval the Company is able to determine which critical date was last and can thus determine what percentage of the Company's provisioning costs have been incurred as of that critical date.

b. The critical dates tracked by the Company are as follows:

- Application Date (APP): The date the customer provides to the Company, (1) a firm commitment for service and (2) sufficient information to enable the Company to begin service provisioning. This is also the order date.

- Scheduled Issue Date (SID): The date that the order is to enter the Company's order distribution system.

- Records Issue Date (RID): The date that all design and assignment information is to be sent to the central office and installation forces.

- Wired and Office Tested Date (WOT): The date by which all intraoffice wiring is to be completed, all plug-ins optioned, aligned, and frame continuity established, and the interoffice facilities, if applicable, tested. In addition, switching equipment, including translation loading, is to be installed and tested.

- Plant Test Date (PTD): The date on which overall testing of the service is to be started.

- Engineering Information Report Date (EIRD): The date the engineering group in another ISS area provides information to the primary engineering group.

- Service Date (DD): The date on which service is to be made available to the customer. This is sometimes referred to as the Due Date.

- Designed, Verified, and Assigned Date (DVA): The date by which field implementation groups must report that all documents and materials have been received.

- Frame Continuity Date (FCD): Date on which frame-to-frame testing must be completed. This is sometimes referred to as the Facility Continuity Check Date.

- Loop Assignment and Make-up Date (LAM): The date by which Local Loop Assignment and Make-up information must be available.

c. The percentage of the total provisioning cost incurred by the Company at a particular critical date varies by the type of service shown in e. following.

d. When a customer cancels a service order, or part of a service order, before the service date, the Company will apply cancellation charges to the order. Cancellation charges are calculated by multiplying all the nonrecurring charges associated with the order, or that part of the order being cancelled, by the percentage shown in e. following for the critical date last completed on the order.

e. Cancellation Charge Percentages

TYPE SERVICE/ CRITICAL DATES	AFTER: BEFORE:	SID LAM	LAM EIRD	EIRD RID	RID DVA	DVA WOT
VOICE GRADE		5.0	9.0	12.0	16.0	26.0
METALLIC GRADE		6.0	11.0	14.0	19.0	30.0
WIRED MUSIC		7.0	12.0	15.0	21.0	33.0
MEGALINK SERVICE		23.0	29.0	33.0	38.0	50.0
MEGALINK CHANNEL SERVICE		23.0	29.0	33.0	38.0	50.0
LIGHTGATE SERVICE		23.0	29.0	33.0	38.0	50.0
SYNCHRONET SERVICE		8.0	12.0	15.0	20.0	30.0

TYPE SERVICE/ CRITICAL DATES	AFTER: BEFORE:	WOT FCD	FCD PTD	PTD DD	DD
VOICE GRADE		34.0	49.0	82.0	100.0
METALLIC GRADE		39.0	52.0	83.0	100.0
WIRED MUSIC		43.0	54.0	83.0	100.0
MEGALINK SERVICE		61.0	69.0	87.0	100.0
MEGALINK CHANNEL SERVICE		61.0	69.0	87.0	100.0

TYPE SERVICE/ CRITICAL DATES	AFTER: BEFORE:	WOT FCD	FCD PTD	PTD DD	DD
LIGHTGATE SERVICE		61.0	69.0	87.0	100.0
SYNCHRONET SERVICE		38.0	51.0	82.0	100.0

f. Cancellation charges for non-design circuits are calculated by multiplying all the nonrecurring charges associated with the order, or that part of the order being cancelled, by 25 percent if the order is cancelled after the Application Date but before the Due Date. If the order is cancelled on the Due Date, 100 percent of the nonrecurring charges will apply.

C. When a customer cancels an order for the discontinuance of service no charges apply for the cancellation.

D. If the Company misses a service date by more than 30 days due to circumstances over which it has direct control (excluding, e.g., acts of God, governmental requirements, work stoppages and civil commotions), the customer may cancel the service order without incurring cancellation charges.

B2.5 Definitions

AUTHORIZED USER

The term "Authorized User" denotes a person, firm or corporation who is authorized by the customer to be connected to the service of the customer. An authorized user must be specifically named in the application for service and a station of the private line service must be located on his premises.

(DELETED)

BRIDGING CONNECTION

The term "Bridging Connection" as used in connection with Series 6000 channels indicates amplifying equipment and services required to connect a station, or an interoffice channel serving a station, as an intermediate point on a network, or to connect an additional station at a terminal point.

(DELETED)

CUSTOMER-PROVIDED TERMINAL EQUIPMENT

The term "Customer-provided Terminal Equipment" denotes devices, apparatus and the associated wiring, provided by a customer or authorized user which do not constitute a communication system.

DATAPHONE SELECT-A-STATION SERVICE

Data Station Selector (DSS)

A private line device located in a Company central office which is capable of making connections between a four-wire input and up to 128 (125 for addressable operation) outputs, two-wire or four-wire, one at a time. DSSs are designated, as defined following, dependent upon the customer's service configuration:

Primary DSS (PDSS)

The DSS which is connected directly to the Selector Control Unit (SCU).

A PDSS provides the connection between the master station and any one of up to 128 (125 for addressable operation) two-wire or four-wire voice grade data channels. Where more than one DSS is required, the DSS that is directly connected to the master station is termed the PDSS. Additional DSSs, designated SDSSs, may be connected to the PDSS.

Secondary DSS (SDSS)

Any DSS which is connected to a PDSS.

Selector Control Unit (SCU) (This equipment has been designated as customer premises equipment.)

The equipment located at the master station for use by the customer to transmit control and/or address signals to the DSSs and receive supervisory signals from the DSSs.

Master Station

The one station located on a customer's premises which communicates with each remote station and may control the connections.

Remote Station

One of the many stations located on the customer's premises which is connected to the master station by DSSs.

DISTRIBUTION CENTERS

The term "Distribution Center" as used in connection with program transmission channels furnished for music networks indicates amplifying and bridging equipment required to connect the various local sections of a network or to connect local sections to an interoffice section of the network.

DUPLEX SERVICE

The term "Duplex Service" denotes service which permits customers or authorized users to communicate in both directions simultaneously.

HUB

The term "Hub" denotes a Company designated wire center where bridging or multiplexing functions are performed.

(DELETED)

INTERFACE

The term "Interface" denotes that point on the premises of the customer or authorized user at which Company-provided private line service terminates and at which connection of Company-provided private line service is made with communications systems or terminal equipment provided by the customer, authorized user or with other Company-provided service.

(DELETED)

INTRALATA

See Local Access and Transport Area (LATA)

(DELETED)

LINK

The term "Link" refers to the use of a single local channel and/or an interoffice channel as one segment (partial channel) of a 2 point or multipoint arrangement when at least one other segment of the service arrangement is served by 1.544 Megabit Service, MegaLink Channel Service, FlexServ service or LightGate service.

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.

NETWORK FOR AUDIO TRANSMISSION CHANNELS

The term "Network" as used in connection with Series 6000 channels denotes the channel facilities connecting two or more stations of a customer when all times or at certain times the stations form a distinct operating group.

(DELETED)

PORT

The term "Port" denotes the point of access into a computer, a network or other electronic device.

(DELETED)

(DELETED)

PRIVATE LINE CHANNEL SERVICE

The term "Private Line Channel Service" denotes a channel which provides a path for intralata communication capabilities between station locations or Company offices and the service is not directly connected to the public switched network.

(DELETED)

SERVICE POINT

The term "Service Point" when used in connection with private line services denotes an exchange which normally serves the exchange area in which a station of the customer is located, or an exchange in which an interoffice channel is terminated in a Company office at the request of the customer. Where a private line service is routed at the request of the customer to an exchange in which a station of another customer is located for the purpose of connecting such other customer's service as provided in B2.6. following, such exchange is considered to be a service point for the purpose of this definition. Where a station is located outside an exchange area the location of the station or termination is considered to be an exchange for the purpose of this definition.

STATION

The term "Station" as used in connection with private line services:

2. Denotes a point on a premises at which a local channel is terminated where the service involves only channels furnished by the Company and the transmitting or receiving equipment, or combination transmitting and receiving equipment, is furnished by the customer or authorized user or,

SWITCHING EQUIPMENT

The term "Switching Equipment" denotes equipment which performs the function of establishing and releasing connections between:

2. Company-provided service or services and a communications system or systems provided by the customer or authorized user.

TELEMETRY ALARM BRIDGING SERVICE (TABS)

Master Station

The one station of a multi-point system located on a customer's premises which communications with, or receives communications from, each remote station.

Remote Station

One of the many stations of a multi-point system located on a customer's premises which is connected to the master station via the applicable TABS arrangement.

Master Station Channel

The dedicated private line channel of a TABS system connecting the master station to the primary bridge.

Remote Station Channel

The dedicated private line channel of a TABS system connecting each remote station to its bridge.

Mid-Link Channel

The dedicated private line channel of a TABS system connecting two bridges located in separate central offices with each other. This channel is only applicable for Split Band, Active Bridging.

Primary Bridge

The bridge which is connected directly to the master station via the master station channel.

Secondary Bridge

Any bridge is a TABS system which is connected to a primary bridge via a mid-link channel.

WIRE CENTER

A "Wire Center" is a building where outside plant (cables and wires) located in a specific geographical area are terminated and where these facilities are cross-connected to other facilities utilized to provide local channels and interoffice channels.

B2.6 Connections

B2.6.1 General Provisions

A. General

1. Terminal equipment and communications systems provided by the customer or authorized user may be connected at the premises of the customer or authorized user to private line services furnished by the Company where such connections are made in accordance with the provisions of B2.1.4. preceding and this B2.6.

B. Responsibility Of The Customer

1. The customer or authorized user shall be responsible for the installation, operation and maintenance of any customer-provided terminal equipment or communications system. No combination of customer-provided terminal equipment or communications system shall require change in or alteration of the services of the Company, unless that change or alteration is specially permitted under the provisions of B2.6.1.I. of this Tariff, cause electrical hazards to Company personnel, damage to equipment, malfunction of Company billing equipment, or degradation of service to persons other than the user of the subject terminal equipment or communications system, his calling or called party. Upon notice from the Company that a customer-provided terminal equipment or communications system is causing such hazard, damage, malfunction or degradation of service the customer shall make such change as shall be necessary to remove or prevent such hazard, damage, malfunction or degradation of service.

2. Where the customer or authorized user elects to provide his own data set(s) on a given Company-provided private line, it shall be the responsibility of the customer to ensure the continuing compatibility of such data set(s) with the private line service furnished by the Company.

3. The customer shall be responsible for the payment of a Trouble Determination Charge as provided in B2.6.12. for visits by a Company employee to the premises of the customer or authorized user when a service difficulty or trouble report results from the use of customer-provided terminal equipment or communications system.

C. Responsibility Of The Company

3. The Company may make changes in its telecommunications network, equipment, operations or procedures, where such action is not inconsistent with Part 68 of the Federal Communications Commission's Rules and Regulations.

If such changes can be reasonably expected to render any customer's terminal equipment or communications system incompatible with the telecommunication network, or require modification or alteration of such customer-provided terminal equipment or communications systems, or otherwise materially affect its use or performance, the customer will be given adequate notice, as determined by the Company, in writing, to allow the customer or authorized user an opportunity to maintain uninterrupted service.

G. Definitions

GRANDFATHERED COMMUNICATIONS SYSTEMS

The term "Grandfathered Communications Systems" as used in this B2.6. denotes customer-provided communications systems (including their equipment, premises wiring and protective circuitry if any) connected at the customer's or authorized user's premises in accordance with any telephone company's tariffs, and that are considered to be grandfathered under Part 68 of the Federal Communications Commission's rules and regulations because. . . .

GRANDFATHERED CONNECTIONS OF COMMUNICATIONS SYSTEMS

The term "Grandfathered Connections of Communications Systems" as used in this B2.6. denotes connections via Company-provided connecting arrangements of customer-provided communications systems (including their equipment and premises wiring) at the customer's or authorized user's premises, in accordance with any telephone company's tariffs, and that are considered to be grandfathered under part 68 of the Federal Communications Commission's rules and regulations because. . . .

GRANDFATHERED TERMINAL EQUIPMENT

The term "Grandfathered Terminal Equipment" as used in this B2.6. denotes customer-provided terminal equipment (including protective circuitry if any) connected at the customer's or authorized user's premises in accordance with any telephone company's tariffs, and that is considered to be grandfathered under Part 68 of the Federal Communications Commission's Rules and Regulations because. . . .

I. Equipment-to-Equipment Connections

4. The customer subscribing to the host will be responsible for the payment of the Trouble Determination Charge as specified in B2.6.12. of this Tariff for visits by a Company employee to the customer's premises in response to a service difficulty or trouble report resulting from the addition of customer-provided equipment to Company-provided host terminal equipment or communications systems.

B2.6.2 Connections Of Registered Equipment

A. Customer-Provided Registered Terminal Equipment, Registered Protective Circuitry And Registered Communications Systems

Customer-provided registered terminal equipment, registered protective circuitry and registered communications systems may be connected at the customer's or authorized user's premises to the private line services specified in B2.6.2.D. following, subject to B2.6.1. preceding and this B2.6.2.A. and B.

2. The customer shall notify the Company of each private line service to which registered equipment is to be connected in advance of such connection and shall notify the Company when such registered equipment is permanently disconnected. The customer shall provide the Company the Registered Number and Ringer Equivalence Number for the registered equipment and the Universal Service Order Code (USOC) of the standard jack required.

4. The customer or authorized user shall not connect registered equipment to a Company private line service if. . . .

D. Private Line Services For Which Connections Of Registered Equipment Are Allowed

1. The connection may be made only at the customer's premises to Series 2000 private line channels that present a two wire or four wire loop signaling interface for such connection under the following conditions:

a. Customer-provided registered terminal equipment, registered protective circuitry, and registered key telephone systems may be connected to the station end of private line services furnished in connection with off-premises stations.

b. Customer-provided registered PBX Systems may be connected, as a trunk termination, to the station end of the private line services furnished in connection with off-premises stations.

B2.6.3 Connections of Grandfathered Terminal Equipment And Grandfathered Communications Systems

B. Connections Through Connecting Arrangements Provided By The Company

1. Grandfathered connections of terminal equipment and grandfathered connections of communications systems to the private line services specified in B2.6.2.D.1. preceding are subject to B2.6.3.B.1.a., b. and c. and B2.6.3.C. and D. following.

a. General

(1) Basis of Connection

Grandfathered connections of terminal equipment and grandfathered connections of communications systems made in accordance with B2.6.3.B.1.b. and c. respectively may remain connected and be moved and reconnected for the life of the equipment and may be modified only in accordance with Part 68 of the Federal Communications Commission's Rules and Regulations. Connecting arrangements used for such moves and reconnections will continue to be provided by the Company subject to their availability, at the rates and charges specified in A15.1.3. of the General Subscriber Services Tariff.

Until July 1, 1980, the Company will provide connecting arrangements in accordance with the provisions of A15.1.3. of the General Subscriber Services Tariff for installations of new customer-provided devices or system components connected at the customer's or authorized user's premises to terminal equipment or communications systems provided by the Company (that is, equipment-to-equipment connections). . . .

(2) Network Control Signaling

Network control signaling shall be performed by equipment furnished, installed and maintained by the Company, except that

- customer-provided tone-type address signaling is permissible through a Company-provided connecting arrangement. When the customer or authorized user has the capability to originate calls by means of such instruments and special central office facilities exist, the rates and charges for Touch-Tone Calling Service specified in Section A13. of the General Subscriber Services Tariff apply.

  Signaling functions may be performed by customer-provided Conferencing Answering Devices specified in B2.6.3.D. following.

b. Grandfathered Connections of Terminal Equipment

(1) Data Terminal Equipment

Subject to the provisions of B2.6.3.B.1.a.(1) preceding, customer-provided data terminal equipment (including telephotograph equipment) may be connected at the customer's or authorized user's premises to the private line services specified in B2.6.2.D.(1) preceding through a network control signaling unit and a data access arrangement provided by the Company in accordance with the following:

- The customer or authorized user shall furnish the equipment which performs the function of. . .

(2) Voice Terminal Equipment

Subject to the provisions of B2.6.3.B.1.a.(1) preceding, customer-provided voice terminal equipment may be connected at the customer's or authorized user's premises to the private line services specified in B2.6.2.D.1 preceding in accordance with the following. . .

c. Grandfathered Connections of Communications Systems

Subject to the provisions of B2.6.3.B.1.a.(1) preceding, customer-provided communications systems may be connected at the customer's or authorized user's premises to the private line services specified in B2.6.2.D.1. preceding in accordance with the following. . .

C. Attested Equipment Connected Prior to July 1, 1980

1. Until July 1, 1980, customer-provided headsets and non-powered conferencing equipment which meet the standards and procedures set forth by the Company in Technical References for Attested Equipment may be connected at the customer's or authorized user's premises to the private line services specified in B2.6.2.D. preceding in accordance with B2.6.3.C.1.a. through e. following. Such equipment may remain connected and be moved and reconnected in accordance therewith for the life of the equipment unless subsequently modified.

2. In the event Attested Equipment bearing an Identification Number does not meet the requirements set forth by the Company in its Technical References, the customer or authorized user, using such Attested Equipment shall either disconnect the equipment from the Company service or arrange for connection of the equipment in accordance with B2.6.2. preceding.

D. Conforming Answering Devices Connected Prior to July 1, 1979

1. Customer-provided Conforming Answering Devices which meet the standards and procedures set forth by the Company in Technical References for Conforming Answering Devices and which were connected at the customer's or authorized user's premises to the private line services specified in B2.6.2.D. preceding prior to July 1, 1979, in accordance with B2.6.3.D.1.a. through e. following, may remain connected and be moved and reconnected in accordance therewith for the life of the equipment, unless subsequently modified.

2. In the event that an answering device bearing a Conformance Number does not meet the requirements of the Company's Technical Reference for Conforming Answering Devices, the customer or authorized user using such answering device shall either disconnect the device from the Company's service or arrange the connection of the device in accordance with B2.6.2. preceding.

B2.6.4 Connections Of Customer-Provided Terminal Equipment & Communications Systems Not Subject To The Federal Communications Commission's Registration Program

A. General

1. Connecting arrangements are not required and minimum protection criteria are not applicable where customer-provided terminal equipment or communications systems are connected with the following channels when such channels are used for the types of transmission specified herein due to the nature of the service provided and/or the type of channels and equipment used.

- Series 1000 Channels

- Type 2463, 2464 and 2230

- Series 6000 Channels

(DELETED)

B. Data Terminal Equipment

2. (DELETED)

3. When customer-provided data terminal equipment is connected with facilities furnished for private line service and such facilities are not arranged for connection to a local or toll central office line, the connection of customer-provided equipment shall be made either to a data set or to the local facility furnished as part of the private line facilities.

4. The customer shall be responsible for ordering and specifying the type of channel, and the conditioning, for operation with data processing equipment provided by the customer or authorized user. The undertaking of the Company is to furnish the channels as ordered and specified by the customer.

5. When the connection of customer-provided data terminal equipment requires the use of data sets, the data sets may be provided by the customer or authorized user except that the Company shall furnish all data sets located in Company central offices.

D. Communications Systems

3. Customer-provided communications systems may be connected through connecting arrangements furnished by the Company with Type 10001 channels (entrance facilities) furnished for the purpose of extending the customer-provided communications system to a premises of the customer or authorized user. The type 10001 channel or channels created therefrom in accordance with the provisions of

B2.2.6. preceding may be connected at such customer's or user's premises to other customer-provided communications systems in accordance with B2.6.4.D.1.a., b. and c. preceding.

4. (DELETED)

6. (DELETED)

E. Accessories

Accessories provided by a customer or authorized user may be used with private line service provided that such accessories comply with the provisions of B2.6.1.B. and B2.6.4.A.2.b.(2) preceding.

G. Acoustic Or Inductive Connections

1. General

c. (DELETED)

B2.6.7 Connections Of Certain Facilities Of Power, Pipe Line And Railroad Companies

A. Facilities of an electric power company, an oil, oil products or natural gas pipe line company, or a railroad company provided primarily to communicate with points located along a right-of-way (including premises of such company anywhere in cities, towns or villages along the right-of-way) owned or controlled by such company may, in lieu of the provisions of B2.6.3. and B2.6.4.D. preceding, be connected with services furnished by the Company to the same customer or authorized user subject to the following:

B2.6.9 Connection Of Services Furnished By The Company To The Same Customer

C. Channels created by the customer or authorized user in accordance with the provisions of B2.2.6.B. preceding may be connected at the customer's or authorized user's premises:

B2.6.10 Connection Of Services Furnished By The Company To Different Customers

A. A private line furnished to a customer on a twenty-four hour per day, seven day per week basis may be connected:

2. With a private line, local or toll central office line or WATS access line furnished to a different customer provided such connection is made at the premises of an authorized user as specified in B2.6.10.E. through H. following, or,

C. (DELETED)

D. (DELETED)

E. A private line furnished to a customer may be connected to a "different" customer's private line if the "different" customer is an authorized user on the other customer's private line and provided that:

2. Such connections be made through switching equipment.

F. A private line furnished to a customer may be connected to a local or toll central office line furnished to a "different" customer provided that:

2. The connection shall be made through switching equipment.

G. Private Lines for audio transmission may be connected as provided for Series 6000 channels in Section B3. following.

Private line service furnished by the Company for communications as provided in B2.2.1.B. preceding, may be connected with similar services provided by the Company.

B2.6.11 Connection Of Service Furnished By The Company With Service Of Other Common Carriers

A. Conditions for connections of other common carrier communications systems at the premises of the customer

Except as provided in B2.6.11.A.5. and 6. following, a communications system (analog not exceeding voice grade, or digital), provided by an Other Common Carrier, hereafter referred to as the OCC, to a customer or authorized user of private line services furnished by the Company may be connected at the premises of the customer or authorized user, to the channels of a private line service furnished by the Company where the customer or authorized user has a regular and continuing requirement for the origination or termination of communications over the OCC-provided communications system provided that:

3. Where the connection of an OCC-provided communications system is by means of a direct electrical connection, such connection shall be made:

a. Through switching equipment; or

b. Through a channel derivation device.

5. When the connection is by means of switching equipment provided by the customer or authorized user, such switching equipment and the facilities provided by the OCC shall be treated as a customer-provided

communications system and the regulations applicable to the connection of customer-provided communications system as set forth in B2.6. shall apply.

6. When the connection is by means of a channel derivation device provided by the customer or authorized user, such channel derivation device and the facilities provided by the OCC shall be treated as a customer-provided communications system and the regulations applicable to the connection of customer-provided communications systems as set forth in B2.6. shall apply with the exception of the "regular and continuing requirement for the origination or termination of communications" provision of B2.6.1. and the provision of B2.6.4.D.1.a. and b., B2.6.4.D.2. and B2.6.4.D.a., b. and c.

B2.6.12 Trouble Determination Charge

A. The customer shall be responsible for payment of a service charge as follows for each visit by the Company to the premises of the customer or authorized user, or OC, where the service difficulty or trouble report results from the use of equipment of facilities provided by the customer or his authorized users or an OC.

1. Private Line Service, per service call

	First Half Hour Or Major Fraction Thereof	Each Additional Half Hour Or Major Fraction Thereof
(a) Basic Time normally scheduled hours	$44.00	$18.00
(b) Overtime, outside of normally scheduled working hours on a scheduled workday	46.00	22.00
(c) Premium Time, outside of scheduled work day	49.00	26.00

B2.6.17 (DELETED)

B2.6.18 (DELETED)

B2.6.19 (DELETED)

B2.6.20 (DELETED)

B3. CHANNELS

B3.1 Provision Of Service

B3.1.1 General

A. Channel Services provided under the provisions of this Tariff are offered for IntraLATA Services only. Services consisting of Local Channels, Interoffice Channels, and Optional Features and Functions are classified by series. The various series are sub-divided into different types and are described in terms of circuit characteristics and use.

B. Customers may order local channels which are designed to meet specific communications requirements. The customer is responsible for determining that his terminal equipment is compatible with the service provided by the Company.

C. Where multipoint service is furnished, the local channels are bridged in the wire center.

B3.1.2 Application

The rates and charges specified herein apply for all IntraLATA Private Line services provided by the Company.

B3.1.3 Rate Categories.

A. Following are the basic rate categories which apply to Private Line service.

1. Local Channels

   a. A local channel provides for a communications path between a designated customer premises and the serving wire center of that premises. One local channel charge applies per channel termination.

   b. When service is provided by non-wire center connected channels, a non-wire center connected channel charge applies in lieu of local channel charges.

2. Interoffice Channels

   This rate category provides for the transmission facilities between serving wire centers associated with two customer premises, between serving wire centers associated with a customer premises and a Company hub, or between two Company hubs.

   Interoffice mileage is portrayed in mileage bands. A flat rate and a rate per mile applies to each band. For method of determining mileage, see B3.3.3.A.

3. Non-Wire Center Connected Channels

Served Direct channels are provided on a direct basis and are limited to one airline mile in length. These channels will be provided only at the option of the Company.

4. Optional Features and Functions

This rate category provides for features and functions which may be added to a 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 the performance characteristics which may be obtained. This category includes a. and b. following.

a. Hub Functions

A hub is a Company designated wire center where bridging or multiplexing functions are performed i.e., connecting three or more customer premises in a multipoint arrangement or channelizing analog or digital services requiring a lower capacity or bandwidth.

b. Provides for such things as signaling, conditioning, transfer arrangements, protection switching, etc.

B3.1.4 Service Configurations

A. There are two types of service configurations which can be provided. These are described as follows:

1. Two-Point Service

A two-point service connects two customer premises either directly through a serving wire center(s) or through a Company hub where additional functions are performed.

2. Multipoint Service

a. Multipoint service connects three or more customer premises through a Company hub.

b. There is no limitation on the number of mid-links available with multipoint service. However, when more than three mid-links are provided in tandem, the quality of the service may be degraded. A mid-link is a channel between hubs (i.e., bridging locations).

c. Voice Grade (Series 2000) Multipoint Channel services for data use have a limit of six two-wire facility type local channels or 20 four-wire facility type local channels when used with customer-provided station equipment.

d. Only certain types of service are available for multipoint applications. These are so designated in the service descriptions set forth in B3.2 following.

B3.1.5 Special Routing Of IntraLATA Channels

A. The private line services furnished in this Tariff are provided over such routes as the Company may elect.

B. Special routing is involved where, in order to comply with requirements specified by the customer, the Company furnishes the private line service in a manner which includes one or both of the following conditions:

1. Where two or more private lines must be furnished over different physical routes.

2. Where a private line must be furnished on a route which avoids specified geographical locations.

C. When special routing of services is furnished a customer, the rates will be determined on an individual case basis.

B3.2 Service Descriptions

B3.2.1 Sub Voice Grade Services - Series 1000 Channels

A. These channels are furnished for operation on a two point or multipoint basis subject to the number of point limitations indicated for each type and are provided for use with customer-provided power and signaling equipment. It is expressly declared that metallic facilities are in continually decreasing supply and that the Company does not hold itself in a position to make such facilities available. In addition, if modernization programs dictate the replacement of existing metallic facilities with non-metallic facilities such as fiber optics, the Company will not be required to continue this service over metallic facilities. The various types of services furnished within this Series are as follows:

1. Type 1204 - a two-wire interface with two-wire facilities suitable for use with direct current continuity type of equipment. Signaling must be within the criteria as described in Technical Reference, "Transmission Specifications for Private Line Metallic Circuits" and limited to three station locations. This type channel may also be used to furnish auxiliary features (such as lights, hold, signaling, etc.).

Current applied by CPE	- ac & dc components per conductor, not to exceed 0.150 amperes rms
Magnitude of the peak of the voltage between any conductor and ground	- not to exceed 70.7 volts (50 volts rms) except continuous dc voltage not to exceed 135 volts.

2. Type 1205 - A two-wire interface with two-wire facilities suitable for low speed, uni-directional series-operated signaling. Transmission specifications as described in Technical Reference, "Transmission Specification for Low Speed Signaling System Channels". Service is limited to three serving wire centers and 26 stations.

B3.2.2 Voice Grade Service - Series 2000

A. Series 2000 voice grade service provides for voice and/or data communications on a two-point or multipoint basis for service 7 days per week, 24 hours per day, for a minimum period of one month. These channels may also be furnished on a link (partial channel) basis when connected to services such as FlexServ service, PulseLink service, LightGate service or MegaLink channel service. Channels which provide tie line service will not be furnished to connect a flat rate system with a message rate system. The transmission characteristics and various types of services furnished within this Series are described in B. and C. following.

B. Basic parameters and specifications for series 2000 voice grade service are described for the end to end operation as follows:

Basic Parameters	For Speech Application	For Data Application
Net Loss	Local Channel used with terminal equipment: Limit as specified in the following Local Channel descriptions. Losses or gains present in CPE have not been included.	

DC Resistance	Local Channel limit as specified in the following Local Channel descriptions. Does not imply or guarantee end to end DC continuity.	
Frequency Error	Plus or Minus 5 Hz	Plus or minus 5 Hz
Frequency Response	(Referenced to 1000 Hz Loss)	
300-3000 Hz	-3dB to + 12dB	-3dB to +12dB
500-2500 Hz	-2dB to + 8dB	-2dB to + 8dB
Envelope Delay Distortion		
800-2600 Hz	Not Controlled	Less than 1750 Microseconds
C-Notched Noise (with a -13dBm0 1000 Hz Test Signal)	Not Controlled	Noise level 24dB below signal level
Impulse Noise	Not Controlled	15 Counts in 15 minutes at a threshold of 6dB below a -13dBm0 rms 1000 Hz Signal
Phase Jitter	Not Controlled	10 degrees peak to peak
Non-Linear Distortion		
2nd Order Distortion	Not Controlled	25dB below signal level
3rd Order Distortion	Not Controlled	30dB below signal level

C. Transmission parameters for voice grade service are described following:

1. Type 2230 - A two-wire interface with effective two-wire facilities engineered for a 1004 Hz net loss of 0 to 10dB. Generally furnished for voice transmission - Private Line Telephone, Mobile Radio Telephone, or Supervisory Control Use. Multipoint service may be provided at charges specified in B3.4.4.A. following.

2. Type 2231 - A two-wire interface with two or four-wire facilities engineered for a 1004 Hz net loss of 0dB to 4.5B. This is generally used for PBX (or similar system) off-premises main or extension station services. Signaling is required for this service.

3. Type 2432 - A two or four-wire interface with effective four-wire facilities engineered for tie line service use between PBX's or customer-provided communications systems. Signaling is required for this service.

4. Type 2434 - A two or four-wire interface for connection to the serving wire center where loop facilities are not required. This channel is suitable for tie line service (with E&M signaling) between Centrex or ESSX-1 Systems and may be connected with Type 2432 local channels.

5. Type 2435 - A four-wire interface with effective four-wire facilities engineered for a 1004 Hz net loss of 0 to 16dB. Generally furnished for voice transmission. Multipoint service may be provided at charges specified in B3.4.4.A. following.

6. Type 2261 - A two-wire interface with effective two-wire facilities engineered for use in Dataphone Select-A-Station Service or Telemetry/Alarm Bridging Service (TABS).

7. Type 2462 - A four-wire interface with effective four-wire facilities engineered for use in Dataphone Select-A-Station Service or Telemetry/Alarm Bridging Service (TABS)

8. Type 2463 - A four-wire interface with four-wire facilities engineered for a 1004 Hz net loss of 16dB. Generally used in the provision of analog data services. Multipoint service may be provided at charges specified in B3.4.4.A. following.

9. Type 2464 - A two-wire interface with four-wire facilities engineered for a 1004 Hz net loss of 16dB. Generally used in the provision of analog data services. Multipoint service may be provided at charges specified in B3.4.4.A. following.

D. Signaling Arrangements

1. Off Premises Stations

   a. For use with PBX (or similar system) off-premises channels for terminal equipment. Signaling arrangements are furnished for grandfathered and registered PBX (or similar) systems in accordance with Part 68 of the FCC Rules and Regulations or for customer-provided communications systems not subject to Part 68 of the FCC Rules and Regulations.

Type A - Furnished for use with Class A PBX (or similar) system station ports capable of operation over loops with resistance in the range of 0-199 ohms.

Type B - Furnished for use with Class B PBX (or similar) system station ports capable of operations over loops with resistance in the range of 200-899 ohms.

Type C - Furnished for use with Class C PBX (or similar) system station ports capable of operation over loops with resistance in the range of 900 ohms or more.

b. For connections to registered or grandfathered PBX (or similar) system equipment, the customer must specify the equipment capability for use with Type A, B, or C Signaling Arrangements.

2. Tie Lines

a. E&M signaling is provided for use with tie line channels with E&M signaling interfaces. Signaling Arrangements are furnished for grandfathered and registered PBX's in accordance with Part 68 of the FCC Rules and Regulations or for customer-provided communications systems not subject to Part 68 of the FCC Rules and Regulations.

- An E&M Signaling Arrangement is required for each tie line termination, operating in a Dial Repeating mode, at a customer's premises with a registered PBX.

- An E&M Signaling Arrangement is required for each tie line termination at a customer's premises with grandfathered PBX's when the tie line is arranged with an E&M signaling interface.

- An E&M Signaling Arrangement is not required with Types 2432 and 2434 channels for additions to or for new installations of grandfathered PBX equipment when not arranged with an E&M signaling interface.

- An E&M Signaling Arrangement is required for each Type 2432 or 2434 channel termination at a customer's premises with a customer-provided communications system not subject to Part 68 of the FCC Rules and Regulations when arranged with an E&M signaling interface.

E. Dataphone Select-A-Station Service

Dataphone Select-A-Station Service is a multistation, voice grade private line data system designed to establish point-to-point connections rapidly between a master station and a number of remote stations one at a time. Direct transmission between remote stations is not possible, nor is simultaneous communications from the master to more than one remote station possible.

1. Regulations

The regulations specified herein are in addition to the regulations contained in Section B2. of this Tariff.

a. Dataphone Select-A-Station Service requires the use of equipment as described in this B3.2.2.E. and Type 2261 or 2462 voice grade local channels as described in B3.2.2.C.

b. The Company will furnish, subject to availability of facilities, Dataphone Select-A-Station Service channels suitable for voice grade data transmission.

c. Dataphone Select-A-Station channels are not provided for alternate voice-data transmission or DC continuity.

d. The customer shall provide terminal equipment in accordance with interface specifications as described in Technical Reference PUB 41014, "Data Communications Using Dataphone Select-A-Station Service."

2. A Primary Data Station Selector, PDSS, provides the connection between the master station and any one of up to 128 (125 for addressable operations) two-wire or four-wire voice grade data channels. Where more than one DSS is required, the DSS that is directly connected to the master station (SCU) is termed the Primary Data Station Selector (PDSS). Additional DSS's designated Secondary Data Station Selectors (SDSS) connected to the PDSS, may be provided.

3. A Selector Control Unit, SCU, will be provided at the master station location. The SCU is used by the customer to transmit control and/or address signals to the DSS's and to receive supervisory signals from DSS's.

4. Dataphone Select-A-Station Service arranged for the sequential mode of operation requires customer specification, prior to installation, of the order of connections from the DSS to the remote stations. The customer also must specify one of the following three DSS options to accommodate customer operating procedures and circuit structure:

   a. Automatic Step[2]

   A DSS option in which the duration and order of connections are fixed.

   Note 2: A DSS optioned for automatic step or automatic step with reset cannot be connected to a secondary DSS.

   b. Automatic Step with Reset[2]

   A DSS option in which the duration and order of connections are fixed, but the DSS will reset to the beginning of the connection cycle upon command from the master station.

   Note 2: A DSS optioned for automatic step or automatic step with reset cannot be connected to a secondary DSS.

   c. Controlled Step

   A DSS option which allows the customer to have in-service control over the duration of the connection. However, the order of connections is fixed.

5. Dataphone Select-A-Station Service arranged for addressable operation provides for the duration and order of connections to be variables, controlled by the master station.

6. Access from the PDSS to the SCU is obtained through a Type 2462 local channel. PDSSs located outside of the serving wire center where the SCU is located will require voice grade interoffice channels at charges as contained in B3.4.3. of this Tariff.

7. Access to each remote station from the DSS is obtained through a Type 2261 or 2462 local channel. Remote stations located outside of the serving wire center where the DSS is located will require voice grade interoffice channels at charges as contained in B3.4.3. of this Tariff.

8. Access to each SDSS from the PDSS is obtained through a Type 2261 or 2462 local channel. A SDSS located outside of the serving wire center where the PDSS is located will require voice grade interoffice channels at charges as contained in B3.4.3. of this Tariff.

F. Telemetry/Alarm Bridging Service (TABS)

1. Regulations

a. This Tariff section contains the regulations applicable for Telemetry/Alarm Bridging Service (TABS).

b. Except as otherwise specified following, the regulations contained herein are in addition to the regulations found in other sections of this Tariff.

c. TABS requires the use of equipment as specified in B3.2.2.F. and Type 2261 or 2462 voice grade local channels described in B3.2.2.C. of this Tariff.

d. Terminal equipment provided by the customer for use with TABS must meet specifications for such customer-provided equipment found in other sections of this Tariff.

e. No more than 128 remote stations may be connected to a master station over an individual Split Band Active Bridge.

f. In Split Band Active Bridging arrangements, secondary bridges must be directly connected to the primary bridge via mid-link channels. Secondary bridges cannot be connected through other secondary bridges to allow additional layers of tandeming.

g. Secondary bridges, utilized in Split Band, Active Bridging arrangements, reduce the two-wire remote station capacity of the primary bridge. The initial secondary bridge reduces the primary bridge capacity by twelve two-wire remote station connections. Each subsequent secondary bridge reduces the primary bridge capacity by four additional two-wire remote station connections. At the customer's option external bridging may be provided for connecting secondary bridges at the rate applicable in B3.4.4.A.1.a. without reducing the two-wire capacity of the primary bridge.

h. Standard multipoint bridging charges as provided in other sections of this Tariff are not applicable to TABS, except as provided in g. preceding.

i. Access over four-wire master station channels for Split Band Active Bridging is provided using a Type 2462 local channel.

j. Access over remote station channels is provided through a Type 2261 local channel and through the appropriate channel connection as contained in B3.4.4.A.1.e. following. Interconnection of remote stations located outside the serving wire center where the bridge to which they are to be connected is located will require interoffice channels at charges contained in B3.4.3. of this Tariff.

k. Access over each four-wire mid-link channel for Split Band Active Bridging is through voice grade interoffice channels at charges contained in B3.4.3. of this Tariff. Additionally, mid-link channel connections are required as described in B3.4.4.A.1.e. following.

2. Service Description

a. Telemetry/Alarm Bridging Service is a multi-station, voice frequency, private line service designed to provide connections between a master station and a number of remote stations simultaneously. Direct transmission between remote stations is not intended. This service is intended for application in multipoint, voice frequency, data or tone signaling arrangements with transmission at rates up to 400 baud.

b. TABS is provided in the following arrangement:

Split Band, Active Bridging - A bridging arrangement providing for a four-wire (master station or mid-link channel) frequency split common port and multiple two-wire (remote station) ports intended for application in multipoint, voice frequency, data or tone signaling arrangements. Two-way (polling) communication between the master station and each remote station is intended.

B3.2.3 Wired Music Service - Series 6000

A. Series 6000 private line service provides for one way audio transmission for use in connection with loudspeaker and sound recording equipment. Channels are furnished for operation on a two-point or multipoint basis for service 7 days per week, 24 hours per day, for a minimum period of one month. These channels are arranged for use with customer-provided station equipment only.

B. Channels for audio and wired music are furnished only directly to the customer originating the program material. The Company does not allocate charges between, nor collect charges from the patrons of the customer. The customer is responsible for the payment of all charges for channels furnished to him by the Company.

C. Audio Channels

1. Audio private line channels are specially equipped channels provided for the closed circuit (non-broadcast) transmission of voice and music signals in one direction only for operation on a two-point basis.

Any of the following arrangements may be provided as a two-point audio private line service:

a. Two local channels in the same wire center area connected together at the serving central office.

b. Two local channels not in the same wire center area connected by an interoffice channel.

c. One local channel feeding a music distribution amplifier when the music source is in the same wire center area as the distribution amplifier.

e. One local channel and an interoffice channel feeding a music distribution amplifier when the music source is not in the same wire center area as the distribution amplifier.

f. One interoffice channel connecting music distribution amplifiers in different wire center areas.

2. The various types of services furnished as audio channels are described as follows:

a. Type 6211 - A two-wire interface with effective two-wire facilities engineered for a 1000 Hz maximum loss of 12dB without equalization.

b. Type 6212 - A two-wire interface engineered for a 1000 Hz maximum loss of 12dB and equalized to + or - 1dB of the 1000 Hz loss from 100 to 5000 Hz.

c. Type 6213 - A two-wire interface engineered for a 1000 Hz maximum loss of 12dB and equalized to + or - 1dB of the 1000 Hz loss from 50 Hz to 8000 Hz.

D. Wire Music Multipoint Distribution Channels

1. Wired music multipoint distribution private line channels are specially equipped channels provided for the closed circuit (non-broadcast) transmission of voice and music signals in one direction only for operation on a multipoint basis.

2. A wired music multipoint distribution service consists of one or more distribution amplifiers feeding multiple wired music local channels within wire center area. Local channels and interoffice channels required to connect the music source to the wired music multipoint distribution system or to connect distribution amplifiers in separate wire centers are provided as two point audio channels.

   a. Distribution amplifiers provided by the Company are required to receive signals from a source provided by the customer and to transmit the appropriate signal level to the multiple wired music local channels which the amplifiers may feed. Distribution amplifiers are provided at the serving wire center.

   b. Wired music local channels are furnished within a wire center area between the premises of the patrons of the wired music service and the distribution amplifier located in the serving wire center.

3. The various types of services furnished as wired music channels are described as follows:

   a. Type 6215 - A two-wire interface with effective two-wire facilities engineered for a 1000 Hz maximum loss of 14dB without equalization.

   b. Type 6216 - A two-wire interface engineered for a 1000 Hz maximum loss of 14dB and equalized to + or - 4dB of the 1000 Hz loss from 100 Hz to 5000 Hz.

   c. Type 6217 - A two-wire interface engineered for a 1000 Hz maximum loss of 14dB and equalized to + or - 4dB of the 1000 Hz loss from 50 Hz to 8000 Hz.

B3.3 Rate Regulations

B3.3.1 Types Of Rates And Charges

A. The two types of rates and charges are monthly rates and nonrecurring charges and are described as follows:

1. Monthly Rates

Monthly rates are recurring charges that apply each month or fraction thereof that a service is provided. For billing purposes, each month is considered 30 days.

2. Nonrecurring Charges

Nonrecurring Charges are one-time charges that apply for a specific work activity. The three types of nonrecurring charges that apply are installation of service, installation of features and functions and service rearrangements.

a. Installation of Service

Nonrecurring charges apply for each service terminated at the customer's premises. For the installation of local channels when more than one of the same type of service, between the same locations, for the same customer is ordered and installed at the same time, one at each location is billed at the First Service Installed rate and the others are billed at the Additional Service Installed rate.

The nonrecurring charges for the Installation of Services are set forth in B3.4. following as Nonrecurring Charges for the Local Channel and Interoffice Channel rate elements.

b. Nonrecurring charges apply for the installation of features and functions available with the various services. 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.

c. Service Rearrangements

(1) Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements or a change in the physical location of the point of termination at a customer premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in B3.3.2.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Private Line Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the service). Administrative changes are as follows:

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes name),

- Change of customer or customer's 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).

(2) All other service rearrangements will be charged for as follows:

- If the change involves the addition of other customer designated premises to an existing multipoint service, the nonrecurring charge for the local channel rate element will apply. The charges 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 the subsequent, nonrecurring charge will apply for the new type signaling. The charge will apply per service termination affected.

- For all other changes, including a change of the customer of record involving no physical changes to the service provided or the addition of optional features without separate nonrecurring charges, a charge equal to a local channel rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

B3.3.2 Moves

A. A move involves a change in the physical location of one of the following:

1. The point of interface at the customer premises.

2. The customer's premises.

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, the charge for the move will be an amount equal to one-half the nonrecurring (i.e., installation) charge for the affected service termination at the customer's premises. 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 customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

B3.3.3 Mileage Measurements

A. When station locations of a private line service are located in different wire center serving areas, interoffice channel charges apply. Charges are based on the direct airline distance measured between the serving wire centers. Mileage is determined in accordance with the following:

1. Obtain the "V" and "H" coordinates for each wire center, as listed in the National Exchange Carrier Association Tariff F.C.C. No. 4.

2. Obtain the difference between the "V" coordinates of the two wire centers. Obtain the difference between the "H" coordinates. (The difference is always obtained by subtracting the smaller coordinate from the larger coordinate.)

3. Square each difference obtained in 2. preceding.

4. Add the squares of the "V" difference and the "H" difference obtained in 3. preceding.

5. Divide the sum of the squares obtained in 4. preceding by 10.

6. Obtain the square root of the result obtained in 5. preceding. This is the rate distance in miles. (Fractional miles being considered as full miles.)

EXAMPLE: The rate distance is required between City One and City Two.

	V	H
City One	7260	2083
City Two	7364	1865
Difference	104	218
Squared	10,816 + 47,524 = 58,340	

58,340 divided by 10 = 5834

Square root of 5834 = 76.38 = 77 Airline miles

B. When a private line is furnished over facilities which the Company elects to provide on a direct basis and is not routed through a central office, one two-point channel charge from B3.4.2 will apply. The arrangement is limited to channels not more than one airline mile in length.

C. For the purpose of applying multipoint charges, the bridging or hubbing locations are determined by that combination of airline distances connecting the serving wire center which will produce the lowest interoffice mileage charges. Bridging charges apply when three or more channels connect at the same location.

D. For Series 1000, 2000 and 6000 channels the customer may specify the sequence in which the service points are to be connected in which case the rate mileage is the shortest airline mileage determined in accordance with C. preceding which will connect the wire centers of the service points in the specified sequence.

B3.4 Rates And Charges

B3.4.1 Local Channels

A. Sub Voice Grade

1. Per point of termination

		Nonrecurring Charge	
	Rate	First	Additional
(a) Type 1204	$20.00	$425.00	$170.00
(b) Type 1205	20.00	320.00	120.00

B. Voice Grade
Per point of termination

1. Voice

(a) Type 2230	$25.00	$310.00	$115.00
(b) Type 2231	25.00	310.00	115.00
(c) Type 2432	45.00	360.00	150.00
(d) Type 2434	10.00	140.00	74.00
(e) Type 2435	45.00	330.00	130.00
(f) Type 2261	25.00	505.00	230.00
(g) Type 2462	45.00	500.00	225.00

2. Data

(a) Type 2463	50.00	375.00	160.00
(b) Type 2464	50.00	375.00	160.00

C. Wired Music

1. Per point of termination

(a) Type 6211	35.00	470.00	200.00
(b) Type 6212	45.00	545.00	265.00
(c) Type 6213	50.00	555.00	280.00
(d) Type 6215	35.00	470.00	200.00
(e) Type 6216	45.00	545.00	265.00
(f) Type 6217	50.00	555.00	280.00

B3.4.2 Non-Wire Center Connected Channels

A. Served Direct

1. Not routed via the central office, limited to one airline mile or less

(a) Series 1000	10.00	425.00	170.00
(b) Series 2000	12.50	425.00	170.00
(c) Series 6000	17.50	425.00	170.00

B3.4.3 Interoffice Channels[2]

Note 2: For method of determining mileage, see B3.3.3.A.

A. Fixed and Mileage Charges applicable

1. Sub Voice Grade - Series 1000

	Fixed Monthly Charge	Monthly Charge Per Mile	Nonrecurring Charge Per Channel
(a) 1 thru 8 Miles	$30.00	$4.10	$110.00
(b) 9 thru 25 Miles	30.00	4.00	110.00
(c) Over 25 Miles	30.00	3.90	110.00
2. Voice Grade Service - Series 2000			
(a) 1 thru 8 Miles	30.00	2.05	92.00
(b) 9 thru 25 Miles	30.00	2.00	92.00
(c) Over 25 Miles	30.00	1.95	92.00
3. Wired Music - Series 6000 3.0 kHz Types 6211 and 6215			
(a) 1 thru 8 Miles	30.00	2.05	75.00
(b) 9 thru 25 Miles	30.00	2.00	75.00
(c) Over 25 Miles	30.00	1.95	75.00
4. Wired Music - Series 6000 5 kHz Types 6212 and 6216			
(a) 1 thru 8 Miles	50.00	4.10	67.00
(b) 9 thru 25 Miles	50.00	4.00	67.00
(c) Over 25 Miles	50.00	3.90	67.00
5. Wired Music - Series 6000 8 kHz Types 6213 and 6217			
(a) 1 thru 8 Miles	70.00	6.15	67.00
(b) 9 thru 25 Miles	70.00	6.00	67.00
(c) Over 25 Miles	70.00	5.85	67.00

B3.4.4 Optional Features And Functions

A. Bridging

Bridging charges are applicable where more than two Local Channels, or one or more Local Channels and more than one Interoffice Channel, or more than one Local Channel and one Intreoffice Channel are bridged or hubbed at the same wire center. No additional bridging charges are applicable for Series 1000, Types 1204 and 1205.

1. Voice Grade Bridges (Series 2000)

a. Voice Bridging

(1) Per Port

	Monthly Rate	Nonrecurring Charge
(a) Two-Wire (Type 2230)	$12.00	$30.00
(b) Four-Wire (Type 2435)	14.00	30.00

b. Data Bridging

(1) Per Port

(a) Four-Wire (Types 2463 and 2464)	20.00	32.00

c. Dataphone Select-A-Station Bridging - Primary Data Station Selector

(1) Sequential Arrangement

(a) Common Equipment	250.00	225.00

(2) Addressable Arrangement

(a) Common Equipment	250.00	250.00

(3) Channel Connections

(a) Per two-wire connection	5.00	31.00
(b) Per four-wire connection	15.00	36.00

d. Dataphone Select-A-Station Bridging - Secondary Data Station Selector

(1) Sequential Arrangement

(a) Common Equipment	250.00	225.00

(2) Addressable Arrangement

(a) Common Equipment	250.00	250.00

(3) Channel Connections			
(a) Per two-wire connection		$ 5.00	$31.00
(b) Per four-wire connection		15.00	36.00
e. Telemetry and Alarm Bridging - Split Band, Active Bridging			
(1) Common Equipment, per central office			
(a) First bridging shelf, capacity of 48 two-wire connections		120.00	370.00
(b) Additional bridging shelf, capacity of 56 two-wire connections installed subsequent to the first bridging shelf		120.00	335.00
(c) Additional bridging shelf, capacity of 56 two-wire connections installed at the same time as the first bridging shelf		50.00	205.00
(2) Channel connections, per channel connected			
(a) Remote station channel connection		5.00	31.00
(b) Mid-link channel connection, first channel		10.00	41.00
(c) Mid-link channel connection, subsequent channels		10.00	41.00
2. Wired Music Bridges (Series 6000)			
(a) Distribution Amplifiers			
(1) Per Port			
(a) each		2.00	25.00

B. Signaling Arrangements

Signaling arrangements are provided at the customer's option to arrange channels for suitable signaling. Signaling is required on all off-premises extension channels and tie line channels associated with PBX (or similar) systems.

1. Per local channel

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(a) Ringdown-Manual	$11.00	$38.00	$185.00
(b) Ringdown-Automatic	10.00	14.00	55.00
(c) E&M Type	9.00	44.00	170.00
(d) Type A (0-199 ohms)	6.00	41.00	115.00
(e) Type B (200-899 ohms)	6.00	37.00	115.00
(f) Type C (900 or more ohms)	3.00	12.00	115.00

C. Conditioning (Voice Grade Services)

1. Conditioning provides more specific transmission characteristics for data services. There are two types of C-conditioning and one type of D-conditioning, each with different technical specifications. C-Type conditioning controls attenuation distortion and envelope delay distortion. D-Type conditioning controls the signal to C-notched noise ratio and intermodulation distortion.

   Conditioning is charged for on a per Local Channel basis for two-point and multipoint service. For two-point services the parameters apply to each service. For multipoint services the parameters apply to any path between any two service points.

2. The types and description of the available conditioning options are as follows:

Type Conditioning	Frequency Response Specification	Envelope Delay Distortion Specification
C1 (two-point or multipoint)	300-2700 Hz, -2dB to + 6dB. 1000-2400 Hz, -1dB to + 3dB. 300-3000 Hz, -3dB to + 12dB.	1000-2400 Hz, less than 1000 microseconds

C2 (two-point or multipoint)	300-3000 Hz, -2dB to + 6dB. 500-2800 Hz, -1dB to + 3dB.	1000-2600 Hz, less than 500 microseconds 600-2600 Hz, less than 1500 microseconds 500-2800 Hz, less than 3000 microseconds	

	C-Notched Noise	Non-Linear Distortion 2nd Order Distortion	3rd Order Distortion
D1 (two-point)	Noise level 28dB below signal level	35dB below signal level	40dB below signal level

3. When a channel is equipped with Type D1 conditioning and is utilized for voice communications, the Company does not undertake to represent that the channel will be suitable for such voice transmission.

4. C-Type Conditioning

   a. C-Type Conditioning is available for Types 2463 and 2464.

      (1) C-Types of Conditioning per local channel

	Monthly Rate	Nonrecurring Charge Initial	Subsequent
(a) C1-Type	$2.00	$10.00	$67.00
(b) C2-Type	2.00	21.00	76.00

5. D-Type Conditioning

   a. D-Type Conditioning is available for Types 2463 and 2464.

   (1) D-Type Conditioning per local channel

(a) D1-Type	2.00	16.00	71.00

B4. EQUIPMENT

B4.1 (DELETED)[2]

Note 2: Trouble Determination Charge is now located in Section B2. of this Tariff

B4.2 Voice Communicating Equipment

B4.2.1 Signaling[2]

Note 2: Signaling is now located in Section B3. of this Tariff.

A. Obsoleted - See Section B104.

1. Obsoleted - See Section B104.

a. Obsoleted - See Section B104.

(1) Obsoleted - See Section B104.

(a) (DELETED)[2]
(b) (DELETED)[2]
(c) (DELETED)[2]

Note 2: Signaling is now located in Section B3. of this Tariff.

B. (DELETED)[2]

Note 2: Signaling is now located in Section B3. of this Tariff.

C. (DELETED)

B4.2.2 (DELETED)

B4.2.3 (DELETED)

B4.3 (DELETED)[3]

Note 3: Dataphone Select-A-Station Service and Telemetry/ Alarm Bridging Service are now located in Section B3. of this Tariff.

B4.4 (DELETED)

B6. DATAPHONE DIGITAL SERVICE

B6.1 General (Obsoleted See Section B106)

B6.2 Regulations (Obsoleted See Section B106)

B6.3 Rates and Charges (Obsoleted See Section B106)

B6.4 Digital City Serving Areas (Obsoleted See Section B106)

B6.5 Mileage Between Digital Cities (Obsoleted See Section B106)

B7.2 SynchroNet Service

B7.2.2 Regulations

C. Method Of Applying Rates

For each customer premises termination, the following rate elements may apply:

- A local channel

(DELETED)

- Interoffice channel. . .

A digital local channel is furnished between a wire center and the customer's premises.

Digital interoffice channels will be charged at rates based on airline distance from the serving wire center to its primary node.

Digital internodal channels furnished between nodes in a SynchroNet service circuit will be charged at rates based on the airline distance between end point nodes in the circuit routing.

When more than one node is designated within a LATA, the Company will assign the primary node for each wire center. When customer premises terminations are located in wire centers assigned to different primary nodes, digital interoffice channel mileage will be calculated from each serving wire center to its assigned primary node, and digital internodal channel mileage will be calculated for the distance between the different primary and end node in the routing sequence.

Airline distance between Company central offices shall be developed using methodology and Vertical (V) and Horizontal (H) coordinates contained in B3.1.3.B. Fractional mileage shall be rounded up to the next full mile.

D. Connections

Customer-provided terminal equipment, customer-provided derivation equipment and customer-provided communications systems may be connected to SynchroNet service when such connection is made in accordance with the provision specified in B7.2.2.D.1., 2. and 3. following.

SynchroNet service furnished by the Company to a customer may be connected at the premises of the customer to another SynchroNet service furnished by the Company provided that such connections are made through the Service Terminating Arrangements of the SynchroNet service by equipment furnished by the customer.

The responsibility of the Company shall be limited to the furnishing of service to that point on the customer's premises where provision is made for the connection of customer-provided equipment. The customer is responsible for testing that equipment or facilities to ensure proper operation while connected with SynchroNet service, and further to ensure that the cause of any service difficulty reported by the customer to the Company results from the operation of equipment and facilities provided by the Company.

The Customer shall be responsible for payment of a service charge, as set forth in Section B2. for:

- Visits by the Company to the premises of the customer where the service difficulty or trouble report results from the use of equipment or facilities provided by the customer.

1. Connection Of Customer-Provided Terminal Equipment, Customer-Provided Derivation Equipment And Customer-Provided Communications Systems.

   a. Customer-provided terminal equipment, customer-provided communications systems may be connected at the premises of the customer, to SynchroNet service.

   b. The customer, by use of its own derivation equipment, may create digital bit streams from SynchroNet service and such equipment may be connected for transmission of such bit streams as specified following:

      (1) At the premises of the customer to Private Line Service and SynchroNet service furnished under the rates and regulations of this Company's Tariff, and

      (2) At the premises of the customer to facilities of others referred to in B7.2.2.D.1 preceding.

   c. The customer shall be responsible for providing the DTE and, if requested, notifying the Company of the type, for maintenance purposes.

2. Connection To Other Services Furnished By The Company To Different Customers

   a. SynchroNet service furnished by the Company to a customer may be connected at the premises of the customer to another SynchroNet service or to other services furnished by the Company to different customers.

3. Accessories

   Accessories provided by customer may be used in conjunction with SynchroNet service provided that such accessories comply with the provisions of B7.2.2.D.4. following.

4. Responsibility Of The Customer

   a. Where SynchroNet service is available under this Tariff for use in connection with terminal equipment or communications systems provided by a customer, the operating characteristics of such equipment or systems shall be such as not to interfere with any of the services offered by the Company. Such use is subject to the further provisions that the equipment provided by a customer does not endanger the safety of Company employees or the public; damage, require change in or alteration of the equipment or other facilities of the Company, interfere with the proper functioning of such equipment or facilities; impair the operation of the Company's facilities or otherwise injure the public in its use of the Company's services. Upon notice from the Company that the equipment provided by a customer is causing or is likely to cause such hazard or interference, the customer shall take such steps as shall be necessary to remove or prevent such hazard or interference.

5. Responsibility Of The Company

   a. The Company shall not be responsible for installation operation or maintenance of any terminal equipment or communications systems provided by a customer. . .

   b. The Company shall not be responsible to the customer, if changes in any of the facilities, operations or procedures of the Company utilized in the provision of SynchroNet service render any facilities provided by a customer obsolete or require modification or alteration of such equipment or system or otherwise affect its use or performance.

c. The Company undertakes to maintain and repair the facilities which it furnishes. The customer may not rearrange, disconnect, remove or attempt to repair any equipment installed by the Company without prior written consent of the Company.

B7.2.3 Rates and Charges

A. Service wholly within the same Intranodal Area.

1. A Digital Local Channel is furnished between a Serving Wire Center and the customer's premises. The Digital Local Channel nonrecurring charge is per local channel.

		Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional
(a)	2.4 Kbps	$50.00	$340.00	$105.00
(b)	4.8 Kbps	50.00	340.00	105.00
(c)	9.6 Kbps	50.00	340.00	105.00
(d)	56.0 Kbps	70.00	340.00	105.00

2. (DELETED)

3. A Node Channel Termination is required at the Company's Node Central Office. Node Channel Termination per local channel, each

(a)	2.4 Kbps	10.00	37.00	32.00
(b)	4.8 Kbps	10.00	37.00	32.00
(c)	9.6 Kbps	10.00	37.00	32.00
(d)	56.0 Kbps	30.00	37.00	32.00

4. A Digital Interoffice Channel is furnished between a serving wire center and the Node Central Office or between Node Central Offices. Digital Interoffice mileage is portrayed in bands. A fixed rate and a rate per mile apply to each band[2] for each Digital Interoffice Channel provided.

Note 2: Refer to B3.1.3.B. for mileage measurement methodology and wire center Vertical (V) and Horizontal (H) coordinates.

a. Fixed and Mileage Charges applicable

(1) 2.4, 4.8 and 9.6 Kbps

	Fixed Monthly Charge	Monthly Charge Per Mile	Nonrecurring Charges
(a) 0 thru 8 Miles	$20.00	$2.05	$76.00
(b) 9 thru 25 Miles	20.00	2.00	76.00
(c) Over 25 Miles	20.00	1.95	76.00
(2) 56 Kbps			
(a) 0 thru 8 Miles	40.00	4.10	76.00
(b) 9 thru 25 Miles	40.00	4.00	76.00
(c) Over 25 Miles	40.00	3.90	76.00

B. (DELETED)

C. Optional Features And Functions

1. Multipoint service, per local or interoffice channel bridged[2]

Note 2: This option cannot be provided where 56.0 Kbps repeaters are required for digital local channels.

	Monthly Rate	Nonrecurring Charge
(a) 2.4, 4.8, 9.6 Kbps	$25.00	$28.00
(b) 56.0 Kbps	35.00	28.00

2. Secondary Channel Capability, per local channel

	Monthly Rate	Nonrecurring Charge
(a) Each[2, 3, 4]	$15.00	$225.00

Note 2: This option cannot be provided where 56.0 Kbps repeaters are required for digital local channels.

Note 3: Not available at all service locations.

Note 4: Nonrecurring charge is applicable only if Secondary Channel service is being added subsequent to the installation of basic service.

D. (DELETED)

B7.2.4 Types Of Rates And Charges

A. The two types of rates and charges are monthly rates and nonrecurring charges and are described as follows:

1. Monthly Rates

Monthly rates are recurring charges that apply each month or fraction thereof that a 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. The three types of nonrecurring charges that apply are installation of service, installation of features and functions and service rearrangements.

a. Installation of Service

Nonrecurring charges apply for each service terminated at the customer's premises. For the installation of local channels when more than one of the same type of service, between the same locations, for the same customer is ordered and installed at the same time, one at each location is billed at the First Service Installed rate and the others are billed at the Additional Service Installed rate.

The nonrecurring charges for the Installation of Services are set forth in B7.2.3.A. preceding as Nonrecurring Charges for the Local Channel and Interoffice Channel rate elements.

b. Nonrecurring charges apply for the installation of features and functions available with the various services. 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. Nonrecurring charges for Optional Features and Functions are set forth in B7.2.3.C. preceding.

c. Service Rearrangements

(1) Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements or a change in the physical location of the point of termination at a customer premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes

in the physical location of the point of termination are treated as moves and are described and charged for as set forth in B3.3.2.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Private Line Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the service). Administrative changes are as follows:

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes name).

- Change of customer or customer's 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).

(2) All other service rearrangements will be charged for as follows:

- If the change involves the addition of other customer designated premises to an existing multipoint service, the nonrecurring charge for the local channel rate element will apply. The charges 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, the subsequent, nonrecurring charge will apply for the new type signaling. The charge will apply per service termination affected.

- For all other changes, including a change of the customer of record involving no physical changes to the service provided or the addition of optional features without separate nonrecurring charges, a charge equal to a local channel rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

B7.2.5 Moves

A. A move involves a change in the physical location of one of the following:

1. The point of interface at the customer premises.

2. The customer's premises.

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, the charge for the move will be an amount equal to one-half the nonrecurring (i.e., installation) charge for the affected service termination at the customer's premises. 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 customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.1 General

B103.1.1 Regulations

A. Methods Of Applying Rates

1. Additional Point of Termination of a Local Channel in Different Buildings on the Same Premises.

(Obsoleted 01-01-87), Type B; Tariff Reference Section B3.)

2. Additional Point of Termination in the Same Building

(Obsoleted 01-01-87), Type B; Tariff Reference Section B3.)

A charge as provided in B103.2 and B103.3 following for extending a Local Channel and terminating the channel at a station location in the same building applies in lieu of an additional local channel charge.

3. Same Building

(Obsoleted 01-01-87, Type D; customers may add channels only to the extent that they are available within facilities in place as of the date of this obsolescence.)

When all station locations of a private line service are in the same building, the charge for same building charges as specified in Section B103. following apply.

(DELETED)

4. Channels Between Buildings on the Same Premises

(Obsoleted 01-01-87, Type D; customers may add channels only to the extent that they are available within facilities in place as of the date of this obsolescence.). . . .

(DELETED)

B103.2 Description Of Services And Rates - Intraexchange

B103.2.1 Series 1100 - Sub Voice Grade Service

D. (DELETED)

E. Rates and Charges

1. Intraexchange - Type 1150 and 1151

(Obsoleted Type B)

a. Half Duplex

	Monthly Rate
(1) Local Channel, each	
(a) Type 1150	$28.75
(b) Type 1151	36.80

(2) Interoffice Channel including the Channel terminals for use with the local channels listed in B103.2.1.E.1.a.(1) per channel

		Monthly Rate
(a)	First 1/4 mile	$29.90
(b)	Each additional 1/4 mile or fraction thereof	1.27

(3) Each additional point of termination of a local channel in a different building on the same premises

		Monthly Rate
(a)	Per 1/4 mile or fraction thereof	$2.65
(b)	Type 1150 - Minimum charge	5.29
(c)	Type 1151 - Minimum charge	5.29

(4) Each additional point of termination of a local channel in the same building

		Monthly Rate
(a)	Type 1150	$5.29
(b)	Type 1151	5.29

(5) Two-point service, different building, same premises

		Monthly Rate
(a)	Per 1/4 mile or fraction thereof	$2.65
(b)	Type 1150 - Minimum charge	5.29
(c)	Type 1151 - Minimum charge	5.29

(6) Two-point service, same building

(a)	Type 1150	5.29
(b)	Type 1151	5.29

(7) Each additional point of termination in same building for two-point service in B103.2.1.E.1.a.(5) and (6)

		Monthly Rate
(a)	Type 1150	$5.29
(b)	Type 1151	5.29

(8) A station arrangement is required for stations on certain types of 1100 Series channels. Monthly charges as set forth following apply for each station.

		Installation Charge	Monthly Rate
(a)	Type 1151, where all stations are located on same premises, each station	$51.75	$13.80
(b)	Type 1151, where any stations of a system are located on different premises, non-wire center connected, each station	51.75	21.28

b. Full Duplex

(1) Local Channel, each

		Monthly Rate
(a)	Type 1150	$31.63
(b)	Type 1151	40.25

(2) Interoffice Channel including the Channel terminals for use with the local channels listed in B1032.2.1.E.1.b.(1) per channel

		Monthly Rate
(a)	First 1/4 mile	$29.90
(b)	Each additional 1/4 mile or fraction thereof	1.27

(3) Each additional point of termination of a local channel in a different building on the same premises

		Monthly Rate
(a)	Per 1/4 mile or fraction thereof	$2.65
(b)	Type 1150 - Minimum charge	5.29
(c)	Type 1151 - Minimum charge	5.29

(4) Each additional point of termination of a local channel in the same building

		Monthly Rate
(a)	Type 1150	$5.29
(b)	Type 1151	5.29

(5) Two-point service, different building, same premises

		Monthly Rate
(a)	Per 1/4 mile or fraction thereof	$2.65
(b)	Type 1150 - Minimum charge	5.29
(c)	Type 1151 - Minimum charge	5.29

(6) Two-point service, same building

(a)	Type 1150	5.29
(b)	Type 1151	5.29

(7) Each additional point of termination in same building for two-point service in B103.2.1.E.1.b.(5) and (6)

		Monthly Rate
(a)	Type 1150	5.29
(b)	Type 1151	5.29

(8) A station arrangement is required for stations on certain types of 1100 Series channels. Monthly charges as set forth following apply for each station.

		Installation Charge	Monthly Rate
(a)	Type 1151, where all stations are located on same premises, each station	$51.75	$13.80
(b)	Type 1151, where any stations of a system are located on different premises, non-wire center connected, each station	51.75	21.28

2. Intraexchange - Type 1204 and 1205 (Same Continuous Property Different and Same Building Channels)

a. Each additional point of termination of a local channel

(Obsoleted 01-01-87, Type B; Tariff Referenced Section B3.)

(1) In a different building on the same premises

		Monthly Rate
(a)	Per 1/4 mile or fraction thereof	$2.65
(b)	Minimum charge	5.29

b. Each additional point of termination of a local channel in the same building or an additional drop wire from the same aerial terminal that serves the local channel

(Obsoleted 02-15-90, Type B; Tariff Reference Section B3.)

(1) Two Series Leg Service

		Monthly Rate
(a)	Type 1204	$5.29
(b)	Type 1205	5.29

c. Two-point service

(Obsoleted 01-01-87, Type D; customers may add channels only to the extent that they are available within facilities in place as of the date of this obsolescence.)

(1) Different buildings, same premises

		Installation Charge	Monthly Rate
(a)	Per 1/4 mile or fraction thereof[2,3]	$19.25	$ 2.65
(b)	Minimum charge Type 1204 or 1205[2]		5.29

Note 2: The rates and charges in this Tariff for channels between buildings on the same premises are applicable only for those facilities in place as of June 5, 1983. On premises cable placed after June 5, 1983 will be provided based on cost.

Note 3: The installation charge is per channel.

d. Two-point service

(Obsoleted 01-01-87, Type D; customers may add channels only to the extent that they are available within facilities in place as of the date of this obsolescence.)

		Installation Charge	Monthly Rate
(1) Same building			
(a)	Type 1204	$19.25	$5.29
(b)	Type 1205	19.25	5.29

(e) Each additional point of termination

(Obsoleted 01-01-87, Type B; Tariff Reference Section B3.)

(1) In the same building for two-point service in B103.2.1.E.2.c. or d.

		Monthly Rate
(a)	Type 1204	$ 5.29
(b)	Type 1205	5.29

F. Local Area Data Channels

(Obsoleted 10-26-87, Type D; not available for new installations, moves or transfers. Existing customers may add channels only to the extent that they are available.)

(Local Area Data Channels are intended for baseband transmission of digital data signals between two points on the same premises or between two different premises within the same serving wire center area not to exceed six (6) cable route miles.

1. The rates and charges specified for Local Area Data Channels provide for the furnishing of service when suitable facilities are available. When special construction is necessary to provide these channels a charge based on the cost incurred will apply in addition to the rates and charges for the channels.

2. Transmission specifications for Local Area Data Channels are dependent upon the route length of the facilities utilized to provide the service as follows:. . . .

3. Type 1180 is provided as a 2-wire interface with effective 2-wire facilities.

4. Type 1182 is provided as a 4-wire interface with effective 4-wire facilities.

5. Rates - Intraexchange

a. Local Channel

(1) Each

		Installation Charge	Monthly Rate
(a)	Type 1180	$54.10	$10.70
(b)	Type 1182	54.10	21.56

6. Rates - Type 1180 and 1182 (Same Continuous Property Different and Same Building Channels)

(Obsoleted 01-01-87, Type D; not available for new installations, moves or transfers. Existing customers may add channels only to the extent that they are available. Tariff Reference Section B3.)

a. Two-point service

(1) Different buildings same premises[2]

		Installation Charge	Monthly Rate
(a)	Per 1/4 mile or fraction thereof	$19.25	$ 2.65
(b)	Minimum charge		5.29

(2) Same Building

(a)	Charge	19.25	5.29

Note 2: The Installation Charge is per channel.

B103.2.2 Series 2000 - Voice Grade Service

B. Rates and Charges

1. Intraexchange - Same Continuous Property Different and Same Building Channels

a. Each additional point of termination of a local channel in a different building on the same premises

(Obsoleted 01-01-87, Type B; Tariff Reference Section B3.)

(1) Charges

		Monthly Rate
(a)	Per 1/4 mile or fraction thereof	$ 2.65
(b)	Minimum Charge	5.29

b. Each additional point of termination of a local channel

(Obsoleted 01-01-87, Type B; Tariff Reference Section B3.)

(1) In the same building

		Monthly Rate
(a)	Charge	$5.29

c. Two-point service different buildings same premises

(Obsoleted 01-01-87, Type D; customers may add channels only to the extent that they are available within facilities in place as of the date of this obsolescence.)

(1) Per 1/4 mile or fraction thereof

		Installation Charge	Monthly Rate
(a)	Half Duplex[2,3]	$50.30	$ 2.65
(b)	Duplex[2,3]	50.30	2.65
(c)	Minimum Charge[2]		5.29

Note 2: The rates and charges in this Tariff for channels between buildings on the same premises are applicable only for those facilities in palce as of June 5, 1983. On premises cable placed after June 5, 1983, will be provided based on cost.

Note 3: The Installation Charge is per channel.

d. Two-point service

(Obsoleted 01-01-87, Type D; customers may add channels only to the extent that they are available within facilities in place as of the date of this obsolescence.)

(1) Same building

		Installation Charge	Monthly Rate
(a)	Half Duplex	$50.30	$5.29
(b)	Duplex	50.30	5.29

e. Each additional point of termination

(Obsoleted 01-01-87, Type B; Tariff Reference Section B3.)

(1) In the same building for two-point service in B103.2.2.B.1.c. or d. preceding

		Monthly Rate
(a)	Half Duplex	$2.65
(b)	Duplex	2.65

B103.2.3 Series 6000

(Obsoleted 09-02-80, Type D; not available for new installations, moves or transfers. Existing customers may add channels only to the extent that they are available.)

A. Charges for a channel wholly within a building or between buildings on the same premises[3]

Note 3: The Installation Charge is per channel.

(1) For 500 feet or fraction thereof

		Installation Charge	Monthly Rate
(a)	Route measurement	$50.30	$ .58

B103.3 Description Of Service And Rates - Interexchange

B103.3.1 Series 1000 - Sub Voice Grade Service

D. (DELETED)

E. Rates and Charges

1. Interexchange - Type 1050 and 1051

(Obsoleted Type B)

a. Half Duplex

(1) Interexchange Channel including the Channel Terminals, per channel

		Monthly Rate
(a)	Type 1050 and 1051, 1st mile	$64.40
(b)	Type 1050, each additional mile or fraction thereof	1.61
(c)	Type 1051, each additional mile or fraction thereof	2.07

(2) Interoffice Channel including the Channel terminal for use with the interexchange channels listed in B103.3.1.E.1.a.(1) per channel

		Monthly Rate
(a)	First 1/4 mile	$15.24
(b)	Each additional 1/4 mile or fraction thereof	1.38

(3) Local Channel, each

(a)	Type 1050	33.93
(b)	Type 1051	38.53

(4) Each additional point of termination of a local channel, different building on the same premises

		Monthly Rate
(a)	Per 1/4 mile or fraction thereof	$ 2.65
(b)	Type 1050, minimum charge	5.29
(c)	Type 1051, minimum charge	5.29

(5) Each additional point of termination of a local channel in same building

	Monthly Rate
(a) Type 1050	$ 5.29
(b) Type 1051	5.29

b. (DELETED)

2. (DELETED)

B103.3.2 Series 2000 - Voice Grade Service

B. Rates and Charges

1. Interexchange - Additional Points of Termination

(Obsoleted 01-01-87, Type B; Tariff Reference Section B3.)

a. Each additional point of termination of a local channel in a different building on the same premises

(1) Charge

	Monthly Rate
(a) Per 1/4 mile or fraction thereof	$ 2.65
(b) Minimum Charge	5.29

b. Each additional point of termination of a local channel

(1) In the same building

	Monthly Rate
(a) Minimum Charge	$ 5.29

B103.4 Reserved For Future Use

B103.5 Reserved For Future Use

B103.6 Series 10000 Channels (Entrance Facilities)

(Obsoleted 02-15-90, Type D; not available for new installations, moves or transfers. Existing customers may add channels only to the extent that they are available.)

B103.7 Reserved For Future Use

B103.8 Reserved For Future Use

B103.9 Reserved For Future Use

B103.10 Description Of Service And Rates - Customer Operating Center Service

(Obsoleted 02-15-90, Type D; customers may continue to activate channels within their existing size of service cable.

B103.10.1 General

K. Monthly Rates

1. Per complement of cable pairs

a. Distance in 1/4 Mile or Fraction Thereof

(1) Service Cable Size - 50 Pairs

		Monthly Rate
(a)	1/4 mile	$
(b)	1/2 mile	293.25
(c)	3/4 mile	615.25
(d)	4/4 mile	966.00
(e)	5/4 mile	1,242.00

(2) Service Cable Size - 100 Pairs

(a)	1/4 mile	
(b)	1/2 mile	299.00
(c)	3/4 mile	626.75
(d)	4/4 mile	994.75
(e)	5/4 mile	1,282.25

(3) Service Cable Size - 200 Pairs

(a)	1/4 mile	
(b)	1/2 mile	368.00
(c)	3/4 mile	787.75
(d)	4/4 mile	1,282.25
(e)	5/4 mile	1,592.75

(4) Service Cable Size - 300 Pairs

(a)	1/4 mile	
(b)	1/2 mile	437.00
(c)	3/4 mile	920.00
(d)	4/4 mile	1,506.50
(e)	5/4 mile	1,868.75

(5) Service Cable Size - 400 Pairs

(a)	1/4 mile	
(b)	1/2 mile	$ 517.50
(c)	3/4 mile	1,086.75
(d)	4/4 mile	1,771.00
(e)	5/4 mile	2,213.75

(6) Service Cable Size - 600 Pairs

(a)	1/4 mile	
(b)	1/2 mile	695.75
(c)	3/4 mile	1,454.75
(d)	4/4 mile	2,380.50
(e)	5/4 mile	2,967.00

(7) Service Cable Size - 900 Pairs

(a)	1/4 mile	
(b)	1/2 mile	897.00
(c)	3/4 mile	1,886.00
(d)	4/4 mile	3,093.50
(e)	5/4 mile	3,841.00

(8) Service Cable Size - 1200 Pairs

(a)	1/4 mile	
(b)	1/2 mile	1,178.75
(c)	3/4 mile	2,415.00
(d)	4/4 mile	3,956.00
(e)	5/4 mile	4,922.00

2. Per Local Channel Activated

a. Local Channel Provided Within A Cable

(1) Type Of Local Channel Activated - 1204

(a)	1/4 mile	2.65
(b)	1/2 mile	2.65
(c)	3/4 mile	2.65
(d)	4/4 mile	2.65
(e)	5/4 mile	2.65

(2) Type Of Local Channel Activated - 1205

(a)	1/4 mile	2.65
(b)	1/2 mile	2.65
(c)	3/4 mile	2.65
(d)	4/4 mile	2.65
(e)	5/4 mile	2.65

(3) Type of Local Channel Activated - 2106 and 2107

(a) See GSST Section A108. for rates.

(4) Type Of Local Channel Activated - 2463[2]

(a)	1/4 mile	$18.11
(b)	1/2 mile	19.55
(c)	3/4 mile	20.13
(d)	4/4 mile	21.56
(e)	5/4 mile	23.29

Note 2: These local channels are provided with a four-wire facility (2 pairs). The total number of all types of local channels that may be activated within a complement of cable pairs is limited by the number of these types of local channels.

(5) Type Of Local Channel Activated - 2464[2]

		Monthly Rate
(a)	1/4 mile	$ 39.10
(b)	1/2 mile	40.25
(c)	3/4 mile	41.40
(d)	4/4 mile	43.13
(e)	5/4 mile	44.28

Note 2: These local channels are provided with a four-wire facility (2 pairs). The total number of all types of local channels that may be activated within a complement of cable pairs is limited by the number of these types of local channels.

(6) Type Of Local Channel Activated - 2230

		Monthly Rate
(a)	1/4 mile	$ 2.65
(b)	1/2 mile	2.65
(c)	3/4 mile	2.65
(d)	4/4 mile	3.39
(e)	5/4 mile	5.69

(7) Type Of Local Channel Activated - 2261

(a)	1/4 mile	2.65
(b)	1/2 mile	2.65
(c)	3/4 mile	2.65
(d)	4/4 mile	3.39
(e)	5/4 mile	5.69

(8) Type Of Local Channel Activated - 2462[2]

(a)	1/4 mile	$ 18.11
(b)	1/2 mile	19.55
(c)	3/4 mile	20.13
(d)	4/4 mile	21.56
(e)	5/4 mile	23.29

Note 2: These local channels are provided with a four-wire facility (2 pairs). The total number of all types of local channels that may be activated within a complement of cable pairs is limited by the number of these types of local channels.

L. Nonrecurring Charges

1. Service Charge Per Local Channel Activated

c. Visit Charge

A Visit Charge applies for connecting or changing Types 2463, 2464, and 2230 local channel only. Only one Visit Charge applies when more than one Type Local Channel is ordered to be provided at the same time.

e. Schedule of Charges

(1) Service Ordering Charge, per customer request

		Charge
(a)	Type 1204 and 1205	$ 59.80
(b)	Type 2463, 2462 and 2464	201.25
(c)	Type 2230 and 2261	201.25

(2) Visit Charge

(a)	Type 2463, 2464 and 2230	23.86

(3) Channel Connecting Charge

(a)	Type 2463, 2462 and 2464	138.00
(b)	Type 2230 and 2261	78.20
(c)	Type 1204 and 1205	21.85

B104. OBSOLETE SERVICE OFFERINGS - EQUIPMENT

B104.1 Voice Communicating Equipment

A. Signaling Arrangement Requiring On-Premises Signaling Equipment

1. (DELETED)

2. Private Line Terminal Equipment

(Obsoleted 11-23-87, Type B; not available for new installations, additions or on transfers of service to a new location.)

a. For use where the line terminates in a regular common battery telephone

(1) Lines equipped for ringdown signaling

	Monthly Rate
(a) Per termination	$4.83

b. Lines for two-way automatic or one-way automatic and one-way ringdown

(1) Two-way automatic

(a) Per termination	5.46

(2) One-way automatic and one-way ringdown

(a) Per termination	4.83

B. Associated With Intraexchange Channels

(Obsoleted 02-15-90, Type B)

1. Signaling arrangements are provided at the customer's option to arrange local channels for suitable signaling at the following rates and charges. The rates and charges apply per local channel equipped.

a. For Use With Local Channel Types

(1) Signaling Options

		Installation Charge	Monthly Rate
(a)	DC Control Circuit One-Way Signaling, Channel Type - 2230	$ 8.17	$2.30
(b)	Loop Signaling, Channel Type - 2230	10.93	.58

B106. OBSOLETE SERVICE OFFERINGS - DATAPHONE DIGITAL SERVICE

B106.1 General

(Obsoleted 02-15-90, Type D; this service is not available for new customers. Existing customers may move or add to existing channel services.)

B106.1.1 Application Of Tariff

This Tariff contains the regulations and rates applicable to Dataphone Digital Service furnished for intraLATA private line communication by the South Central Bell Telephone Company, hereinafter referred to as the Company, over facilities wholly within or partly within and partly without the State between points or locations within the State of Kentucky.

B106.2 Regulations

(Obsoleted 02-15-90, Type D; this service is not available for new customers. Existing customers may move or add to existing channel services.)

B106.2.2 Description Of Service

A. General

2. Dataphone Digital Service provides for the simultaneous two-way transmission of digital signals at synchronous speed of 2.4, 4.8, 9.6 or 56 Kilobits per second (Kbps) in specified Digital City Serving Areas as described in B106.2.2.B. following.

5. The service, Two-Station or Multipoint as described in B106.2.2.A.10.a. and b. following including equipment provided by the Company as described in B106.2.2.D.2.b. following is guaranteed to provide an average performance exceeding 99.5 percent error-free seconds for operation at all speeds. This service guarantee applies only to

the provision of Dataphone Digital Service which terminates in the Channel Service Unit interface to the customer.

6. When a Dataphone Digital Service is operating at an error performance level which is unsatisfactory to the customer and it is determined by the Company that the error performance level is below that specified preceding, the period of substandard performance will be considered as an interruption and a credit allowance will be made in accordance with the provisions of B106.2.6.G. following. All such credit allowance shall begin from the time of notice by the customer to the Company that an unsatisfactory performance level has occurred, provided that the customer promptly releases the service as requested by the Company to perform testing and maintenance.

7. Customer-provided terminal equipment, customer-provided derivation equipment and customer-provided communications systems may be connected with facilities furnished for Dataphone Digital Service when such connections are made in accordance with the provisions set forth in B106.2.3. following.

8. The design, maintenance and operation of Dataphone Digital Service contemplates communications originating or terminating at other Dataphone Digital Service stations. While connections to Dataphone Digital Service of communications systems provided by others may be made on a permissive basis as provided for in B106.2.3., the Company does not represent its Dataphone Digital Service as adapted for such connections, and shall not be responsible for the through transmission of signals, or the quality of such transmission on such connections.

D. Service Components

The basic components of Dataphone Digital Service are described in B106.2.2.D.1. through 3. following.

1. Digital Access Lines In Digital City Serving Areas

   b. Type 2 - Digital Access Lines furnished for digital transmission at synchronous rates of 2.4, 4.8, 9.6 or 56 Kbps to serve stations outside the normal serving range of baseband transmission from the Principal Telephone Company Central Office.

The rates for Digital Access Lines are as set forth in B106.3.3.

2. Multipoint Arrangement

A Multipoint Arrangement is required to provide for Dataphone Digital Service between three or more digital stations located in a single Digital City Serving Area.

The rate for a Multipoint Arrangement is set forth in B106.3.4.

3. Data Service Unit

b. When customer-provided terminal equipment, customer-provided derivation equipment or customer-provided communications systems are connected with Dataphone Digital Service the customer must provide his own equipment to perform the function of the Data Service Unit.

The connection of customer-provided equipment and systems is subject to the provisions set forth in B106.2.3.

4. Channel Service unit

b. (DELETED)

c. The connection of customer-provided equipment and systems is subject to the provisions set forth in B106.2.3.

B106.2.3 Connections

A. General

Customer-provided terminal equipment, customer-provided derivation equipment or customer-provided communications systems may be connected to Dataphone Digital Service provided by the Company when such connection is made in accordance with the provision of B106.2.3.B. following.

The connection of a Dataphone Digital Service furnished by the Company to another Dataphone Digital Service or to other services furnished by the Company may be made in accordance with the provisions of B106.2.3.C. and D. following.

The connections provided for in B106.2.3.B., C., and D. following shall be made through the Service Terminating Arrangement of the Dataphone Digital Service. Where connections are made by equipment furnished by the customer, the responsibility of the Company shall be limited to the furnishing of service to that point on the customer's premises where provision is made for the connection of such equipment. The customer is responsible for testing its equipment or facilities to insure that when they are

connected with Dataphone Digital Service such equipment or facilities are operating properly, and further that the cause of any service difficulty reported by the customer to the Company results from the operation of equipment and facilities provided by the Company.

The customer shall be responsible for payment of a service charge as set forth in B106.3.8. following for visits by the Company to the premises of the customer where the service difficulty or trouble report results from the use of equipment or facilities provided by the customer.

The responsibilities of the customer and the responsibilities of the Company are further set forth in B106.2.3.G. and H. following.

B. Connection Of Customer-Provided Terminal Equipment, Customer-Provided Derivation Equipment and Customer-Provided Communications Systems.

2. The customer, by use of his own derivation equipment, may create digital bit streams from a Dataphone Digital Service and such equipment may be connected for transmission of such bit streams as specified following.

c. At the premises of the customer to facilities of others referred to in B106.2.3.B.1. preceding.

C. Connection To Other Services Furnished By The Company To The Same Customer

2. A Dataphone Digital Service furnished by the Company may be connected at a Principal Telephone Company Central Office to a private line service furnished under the rates and regulations of this Company's Private Line Services Tariff. The types of private line channels that may be connected and the method of such connection are specified following.

a. Channels for voice grade data transmission may be connected to a Dataphone Digital Service at a Principal Telephone Company Central Office by means of an Analog/Digital Adaptor specified in B106.3.4. following.

b. When a Dataphone Digital Service is connected to a private line service as described in B106.2.3.C.2.a. preceding the performance guarantee specified in B106.2.2.A. preceding will apply for transmission between digital stations only.

D. Connection To Other Services Furnished By The Company To Different Customers

A Dataphone Digital Service furnished by the Company to a customer may be connected at the premises of the customer to another Dataphone Digital Service or to other services furnished by the Company to different customers as specified in B106.2.3.C.1.a. preceding.

F. Accessories

Accessories provided by customers may be used in conjunction with Dataphone Digital Service provided that such accessories comply with the provisions of B106.2.3.G. following.

I. Violation Of Regulations

Where any terminal equipment or communications system provided by a customer is used with services furnished by the Company and any of the provisions in B106.2.3. are violated, the Company will take such immediate action as necessary for the protection of its facilities, and will promptly notify the customer of the violation. The customer shall take such steps as are necessary to discontinue such use of the equipment or system or correct the violation and shall confirm in writing to the Company within 10 days, following receipt of written notice from the Company, that such use has ceased or that the violation has been corrected. Failure to discontinue such use or to correct the violation and to give the required written confirmation to the Company within the time stated preceding shall result in suspension of the customer's service until such time as there is compliance with the provision of this Tariff.

B106.2.6 Payment Arrangements And Credit Allowances

A. Payment Of Charges and Deposits

3. The Company may, in order to safeguard its interests, require an applicant or customer for service to make a deposit to be held by the Company as a guarantee of the payment of charges. Such deposit will be equivalent to up to two months charges for the service except that, where the service involves special construction or equipment to which charges are applicable for discontinuance of use prior to the expiration of a specified period, the deposit will include an additional amount not to exceed the maximum charge applicable for such discontinuance of use, as provided in this Tariff or in this Company's Private Line Service Tariff. The fact that a deposit has been made in no way relieves the applicant or customer from complying with the provisions set forth in B106.2.6.A.2. preceding and the prompt payment of bills on presentation. At such time as the

service is terminated the amount of the deposit is credited to the customer's account and any credit balance which may remain is refunded. At the option of the Company, such a deposit may be refunded or credited to the customer at any time prior to the termination of service. In case of a cash deposit, for the period the deposit is held by the Company, the customer will receive a simple interest at the rate of 6 percent per annum.

D. (DELETED)

F. Suspension Of Service

1. Upon request of the customer, service will be suspended without cancellation at any time after the initial one month of service, subject to B106.2.6.F.1.a. and b. following.

   b. One-half of the monthly charge that would apply if the service were not suspended applies during the period of suspension for lines and station equipment as specified in B106.3. following, unless otherwise defined in this Company's Private Line Service Tariff.

G. Allowance For Interruptions

Credit allowances shall be applied as follows, subject to the general liability provisions set forth in B106.2.4.B. preceding.

1. When service is interrupted, a credit allowance will be made based on the Average Station Value, as defined in B106.2.6.G.1.a. following, and the length of the interruption.

   For the purpose of determining the amount of allowance, every month is considered to have 30 days and only those stations on the interrupted portions of a service shall be considered in determining the number of stations affected.

B106.3 Rates And Charges

(Obsoleted 02-15-90, Type D; this service is not available for new customers. Existing customers may move or add to existing channel services.)

B106.3.2 Reserved For Future Use

B106.3.5 (DELETED)

B106.3.8 Trouble Determination Charge

The service charge as specified in B106.2.3.A. preceding is the same as that described in Section B4. of this Company's Private Line Services Tariff.

B106.3.9 (DELETED)

B106.3.10 Channels Between Digital Cities

The rates set forth following apply for each two-point channel section furnished between Principal Telephone Company Central Offices listed in B106.5.

ACCESS SERVICES TARIFF

E7. SPECIAL ACCESS SERVICE

E7.1 General

E7.1.1 Channel Types

There are six 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

Customers 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 a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as Metallic Service in this Tariff, there is no restriction against doing so.

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 300-3000 Hz.

Wired Music - a channel for the transmission of audio signals. The nominal frequency bandwidths are from 200 to 3500 Hz, from 100 to 5000 Hz or from 50 to 8000 Hz.

(DELETED)

(DELETED)

Digital Data Access - a channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6 or 56.0 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.

Detailed descriptions of each of the channel types are provided in E7.2. following.

The customer also has the option of ordering Voice Grade (i.e., 1.544 Mbps, 3.152 Mbps, 6.312 Mbps, 44.736 Mbps and 274.176 Mbps) to a Company Hub for multiplexing to individual channels of a lower capacity. 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 E7.2. following. Additionally, the customer 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 also set forth in E7.2. following.

For example, a customer may order a 3.152 Mbps facility from a customer 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 customer designated premises. Optional features may be added to either the 1.544 Mbps or the Voice Grade channels.

E7.1.2 Rate Categories

There are three basic rate categories which apply to Special Access Service:

- Local Channels (described in E7.1.2.A. following)
- Interoffice Channel (described in E7.1.2.B. following)
- Optional Features and Functions (described in E7.1.2.C. following)

(DELETED)

A. Local Channel

The Local Channel rate category provides for the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Local Channel is a standard channel 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 itself is provided as an optional feature as set forth in E7.1.2.C. following. One Local Channel charge applies per customer designated premises at which the channel is terminated. This charge will apply even if the customer premises and the serving wire center are co-located in a Company building. A Hub Termination Charge applies in addition to each Digital Data Access Service Local Channel.

B. Interoffice Channel

The Interoffice Channel rate category provides for the transmission facilities between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Company Hub or between two Company Hubs. Interoffice Channel mileage is portrayed in mileage bands. There are two rates that apply for each band, i.e., a flat rate per band and a rate per mile.

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 customer designated premises in a multipoint arrangement. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity. Exchange Carrier Association Tariff FCC No. 4 identifies serving wire centers, Hub locations and the type of bridging or multiplexing functions available.

Descriptions for each of the available Optional Features and Functions are set forth in E7.2. following.

D. (DELETED)

E7.1.3 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

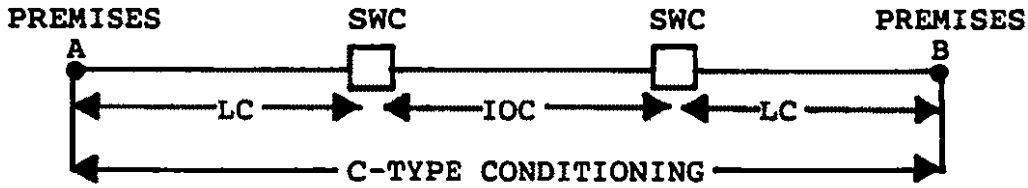
A two-point service connects two customer designated premises, either on a directly connected basis or through a hub where multiplexing functions are performed.

Applicable rate elements are:

- Local Channels
- Interoffice Channels (as applicable)
- Optional Features and Functions (when applicable)

In addition, a Special Access Surcharge as set forth in E7.4.2 following and a Message Station Equipment Recovery Charge as set forth in E7.4.3 following may be applicable.

The following diagram depicts a two-point Voice Grade service connecting two customer designated premises located 15 miles apart. The service is provided with C-type Conditioning.



LC - Local Channel
IOC - Interoffice Channel
SWC - Serving Wire Center

Applicable rate elements are:

- Local Channels (2 applicable)
- Interoffice Channels (mileage band over 9 thru 25 miles)
- C-Type conditioning Optional Feature

B. Multipoint Service

Multipoint service connects three or more customer designated premises through a Company Hub. There is no limitation on the number of mid-links available with multipoint service. However, when more than three mid-links are provided in tandem, the quality of the service may be degraded. A mid-link is a channel between hubs (i.e., bridging locations). Only certain types of Special Access Service are provided as multipoint service. These are so designated in the Service Descriptions set forth in E7.2. following.

(DELETED)

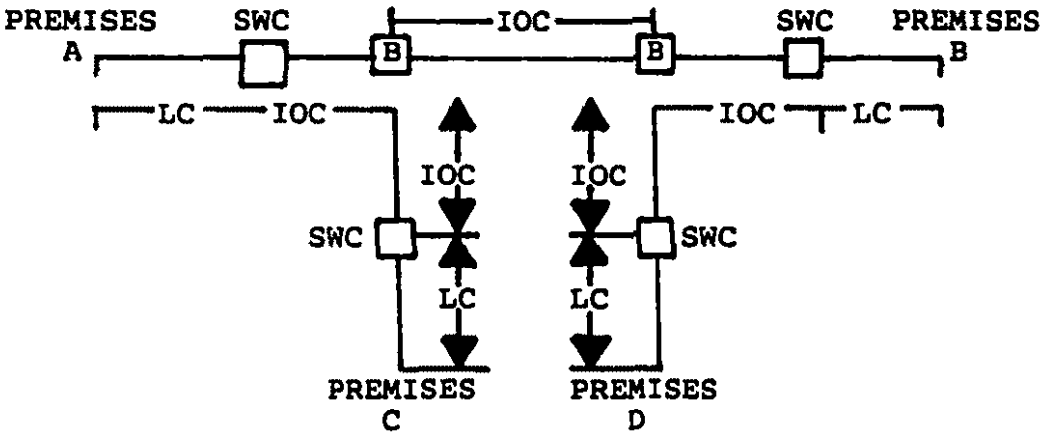
When ordering, the customer will specify the desired bridging Hub(s) selected from the Exchange Carrier Association Tariff F.C.C. No. 4. This tariff identifies the type(s) of bridging functions which are available and the serving wire centers at which they are available.

Applicable Rate Elements are:

- Local Channels (one per customer designated premises)
- Interoffice Channels (as applicable between each designated customer premises and the Hub and between Hubs)
- Bridging
- Additional Optional Features (when applicable)

In addition, a Special Access Surcharge as set forth in E7.4.2. following and a Message Station Equipment Recovery Charge as set forth in E7.4.3. following may be applicable.

Example: Voice Grade multipoint connecting four customer premises via two customer specified bridging hubs.



LC - Local Channel
IOC - Interoffice Channel
B - Bridging
SWC - Serving Wire Center

Applicable rate elements are:
- Local Channels (4 applicable)
- Interoffice Channel (5 sections, each from appropriate mileage band)
- Bridging Optional Feature (6 applicable, i.e., each bridge port)

E7.1.4 Alternate Use

Alternate Use occurs when a service is arranged by the Company so that the customer can select different types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternative use, the Company will make such special arrangements available on an individual case basis.

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 Section E12., Specialized Service or Arrangements. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered (i.e., Local Channels, Interoffice Channels as applicable, and Optional Features and Functions, if any.)

Example: Voice Grade multipoint connecting four customer premises via two customer specified bridging hubs.

E7.1.5 Special Facilities Routing

A customer 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 Section E11. following.

E7.1.7 Acceptance Testing

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

A. For Voice Grade services, acceptance tests will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voice Grade services, a balance (improved loss) test will be made if the customer has ordered the improved loss optional feature.

B. For other analog services (i.e., Metallic, Telegraph and Wired Music and for digital services (i.e., Digital Data Access and High Capacity), acceptance tests will include tests for the parameters applicable to the service as specified in the order for service.

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade service to test other parameters, as described in E13.3.5.B. following, is available at the customer's request. All test results will be made available to the customer upon request.

E7.1.8 Ordering Options And Conditions

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

1. Access Order

2. (DELETED)

E7.2 Service Descriptions

For the purposes of ordering, there are six categories of Special Access Service. These are:

- Metallic (MT)
- Telegraph Grade (TG)
- Voice Grade (VG)
- Wired Music (AP)
- (DELETED)
- (DELETED)
- Digital Data Access Service (DDAS)
- High Capacity (HC)

Each service consists of a basic channel to which a predefined technical specifications package, channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section.

(DELETED)
(DELETED)

The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises or between a customer designated premises and a Company hub where bridging multiplexing functions are performed.

Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is displayed in a matrix with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VGI. The first two letters of the code indicate the category of Special Access Service to which the parameters are applicable. These two-letter codes are shown above in parentheses following the category of Special Access Service. The number "1" following the two-letter code indicates the technical specifications package for a voice grade service. A alpha-numeric designation following the two letter code indicates the specific pre-defined package. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix.

Channel interfaces at each point of termination on a two-point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical. However, communications can only be provided between points of termination with compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in a combination format.

Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth at the end of this E7.2.

The optional features and functions available with each type of Special Access Service are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in a matrix with the optional feature or function listed down the left side and the technical specifications package listed across the top.

The Company will maintain existing transmission specifications on services installed prior to the effective date of this Tariff, except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this Tariff.

All services installed after the effective date of this Tariff will conform to the transmission specification standards contained in this Tariff or in the following Technical References for each category of service:

Metallic	TR-NPL-000336
Telegraph Grade	TR-NPL-000336
Voice Grade	TR-NPL-000335 PUB 41004, Table 4
Wired Music	TR-NPL-000337
(DELETED)	
(DELETED)	
Digital Data Access	TR-NPL-000341 PUB 62310
High Capacity	TR-NPL-000342 PUB 62411

E7.2.1 Metallic Service

A. Basic Channel Description

A Metallic channel is an unconditioned two-wire channel capable of transmitting low speed varying signals at rates up to 30 baud. This channel is provided by metallic or equivalent facilities. Metallic channels are provided between customer designated premises or between a customer designated premises and a Company Hub where bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per channel. Metallic facilities will only be provided where available.

B. Technical Specifications Packages

Parameter	Package MT-1	2	3
DC Resistance Between Conductors	X	X	
Loop Resistance			X
Shunt Capacitance			X

The technical specifications are delineated in Technical Reference TR-NPL-000336.

C. Channel Interfaces

Compatible channel interfaces are set forth in Technical Reference TR-NPL-000336.

D. Optional Features and Functions

1. Central Office Bridging Capability

a. Three Premises Bridging - Provision of tip-to-tip and ring-to-ring connection in a central office of a metallic pair to a third customer designated premises.

b. Series Bridging of up to 26 customer designated premises.

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package MT- 1	2	3
Three Premises Bridging	X		X
Series Bridging		X	

E7.2.2 Telegraph Grade Service

A. Basic Channel Description

A Telegraph Grade channel is an unconditioned channel capable of transmitting binary signals at rates of 0-75 baud or 0-150 baud. This channel is furnished for half-duplex or duplex operation. Telegraph Grade channels are provided between customer designated premises or between a customer designated premises and a Company Hub. Telegraph Grade Service is not available for additions, new installations or moves of service.

B. Technical Specifications Packages

Parameter	Package TG-1	Package TG-2
Telegraph Distortion	X	X

The technical specifications are delineated in Technical Reference TR-NPL-000336.

C. Channel Interfaces

Compatible channel interfaces are set forth in Technical Reference TR-NPL-000336.

D. Optional Features and Functions

1. Telegraph Bridging (two-wire and four-wire)

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package TG-1	Package TG-2
Telegraph Bridging	X	X

E7.2.3 Voice Grade Service

A. Basic Channel Description

A Voice Grade channel is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Voice Grade channels are provided between customer designated premises or between a customer designated premises and a Company Hub.

Voice Grade Channels are classified as Voice Grade/Voice or Voice Grade/Data depending on the suitability of the technical specification package requested by the customer. Voice Grade Technical Specification Packages 1, 2, 3, 4, 5, 7, 8, 9, 11 and 12 are suitable for Voice Grade/Voice. The Technical Specification Packages 6 and 10 are suitable for Voice Grade/Data Service.

B. Technical Specifications Packages

Parameter	Package VG- 1	2	3	4	5	6	7	8	9	10	11	12
Attentuation Distortion	X	X	X	X	X	X	X	X	X	X	X	X
C-Message Noise	X	X	X	X	X	X	X	X	X	X	X	X
Echo Control	X	X	X		X		X	X			X	X
Envelope Delay Distortion						X	X	X	X	X	X	X
Frequency Shift						X	X	X	X	X	X	X
Impulse Noise					X	X	X	X	X	X	X	X
Intermodulation Distortion						X	X	X	X	X	X	
Loss Deviation (DELETED)	X	X	X	X	X	X	X	X	X	X	X	X
Jitter Phase						X	X	X	X	X	X	
Signal-to-C Message Noise				X								
Signal-to-C Notch Noise					X	X	X	X	X	X	X	X

The technical specifications for these parameters are delineated in Technical Reference TR-NPL-000335 and associated Addendum.

C. Channel Interfaces

The following channel interfaces for Voice Grade service do not require signaling capability: DA, DB, DD, DE, DS, NO, PR and TF.

The following channel interfaces for Voice Grade service require signaling capability: AB, AC, CT, DX, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV and SF.

Compatible channel interfaces are set forth in Technical Reference TR-NPL-A and Associated Addendum following.

D. Optional Features and Functions

1. Central Office Bridging Capability

   a. Voice Bridging[2] (two-wire and four-wire)
   b. Data Bridging[3] (two-wire and four-wire)
   c. Telephoto Bridging[4] (two-wire and four-wire)

Note 2: Voice Bridging is intended for use with VG2.5 and 12. However, it may be used on VG6 and VG10 at a customers request.

Note 3: Data Bridging is intended for use with VG6 and VG10. However, it may be used on VG2, 5 and 12 at a customers request.

Note 4: Telephoto Bridging is intended for use on VG11.

d. Dataphone Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports

e. Telemetry and Alarm Bridging

- Split Band, Active Bridging
(DELETED)
(DELETED)

2. (DELETED)

3. Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade services. C-Type conditioning controls attenuation distortion and envelope delay distortion. Sealing Current helps maintain continuity on dry metallic loops.

For two-point services, the parameters apply to each service. For multipoint services, the parameters apply to each mid link or end link. C-Type conditioning and D-Conditioning may be combined on the same service.

a. C-Type Conditioning

C-Type Conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-Type Conditioning are:

Attenuation Distortion (Frequency Response) Relative to 1004 Hz

Frequency Range (Hz)	Variation (dB)
504-2804	-1.0 + 3.0
304-3004	-2.0 + 6.0

(DELETED)

Envelope Delay Distortion

Frequency Range (Hz)	Variation (micro-seconds)
1004-2604	Less than 501

(DELETED)

604-2604	Less than 1501

(DELETED)

504-2804	Less than 3001

b. Improved Attenuation Distortion

Improved attenuation distortion is provided for additional control of attenuation distortion. The improved attenuation distortion specifications are:

Attenuation Distortion (Frequency Response) Relative to 1004 Hz

Frequency Range (Hz)	Variation (dB)
404-2804	-1.0 + 2.0
304-3004	-1.0 + 3.0
3004-3204	-2.0 + 6.0

c. Improved Envelope Delay Distortion

Improved envelope delay distortion is provided for additional control of envelope distortion. The improved envelope delay distortion specifications are:

Envelope Delay Distortion

Frequency Range (Hz)	Variation (micro-seconds)
1001-2604	Less than 101
604-2604	Less than 301
504-2804	Less than 3001

d. Sealing Current Conditioning

Sealing Current Conditioning is provided to help maintain continuity on dry metallic loops. It is usually associated with four-wire DA or NO type channel interfaces.

5. Echo Control

a. ELEPL 2 (Equal Level Echo Path Loss)

On Effective Two-Wire Transmission at Four-Wire Point of Termination (applicable to each two-wire port): Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Company equipment is required at the customer's premises where this option is ordered. Improved Return Loss parameters are delineated in Technical Reference TR-NPL-000335.

b. Improved Return Loss

On Effective Two-Wire Transmission at Two-Wire Point of Termination: Provides for more stringent Echo Control specifications. In order for this option to be applicable, the transmission path must be four-wire at one Point of Termination (POT) and two-wire at the other POT. Place of Company equipment may be required at the customer's premises with two-wire POT. The Improved Return Loss parameters are delineated in Technical Reference TR-NPL-000335.

6. D-Conditioning

D-Conditioning provides transmission characteristics suitable for data communications. Specifically, D-Conditioning provides for the control of Signal to C-Notched Noise Ratio and intermodulation distortion. It is available for two-point services or multipoint services.

The signal to C-Notched Noise Ratio and intermodulation distortion parameters for D-Conditioning are:

- Signal to C-Notched Noise Ratio is equal to or greater than 32dB
- Intermodulation distortion:
- Signal to second order modulation products (R2) is equal to or greater than 38dB
- Signal to third order modulation products (R3) is equal to or greater than 42dB

When a service equipped with D-Conditioning is used for voice communications, the quality of the voice transmission may not be satisfactory. D-Conditioning transmission characteristics are described in Technical Reference TR-NPL-000335 under the name Data Capability.

7. Telephoto Conditioning

Telephoto Conditioning provides transmission characteristics suitable for telephotographic communications. Specifically, Telephoto Conditioning is provided 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	Less than 111
800-2800	Less than 181

8. Signaling Capability

Signaling Capability provides for the process by which one customer premises alerts another customer premises on the same service with which it wishes to communicate.

9. (DELETED)

10. (DELETED)

11. Improved Termination

The Improved Termination option provides a fixed 600 ohm impedance, a variable level range and simplex reversal, when applicable, at the point of termination. Company equipment is required at the customer's premises when this option is ordered. The Improved Termination parameters are delineated in Technical Reference TR-NPL-000335.

12. Simplex Reversal

The Simplex Reversal option physically turns over the simplex DC path presented at the four-wire point of termination when LO, LS, GO, GS, & DX signaling is provided at the point of termination.

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package VG-											
	1	2	3	4	5	6	7	8	9	10	11	12
C-Type Conditioning					X	X	X	X	X	X		
Improved Attentuation Distortion					X	X	X	X	X	X		
Improved Envelope Delay Distortion					X	X	X	X	X	X		
Central Office Bridging Capability (DELETED)		X			X	X				X	X	X
Customer Specified Premises Receive Level		X	X				X	X	X			
D-Conditioning						X	X		X			
Echo Control Improved Return Loss		X	X				X					
ELEPL2	X	X	X		X		X					
Improved Termination	X	X	X	X	X	X	X	X	X	X	X	X
Simplex Reversal	X	X	X				X	X	X			
Sealing Current Conditioning (DELETED)						X						
Signaling Capability	X	X	X				X	X	X			
Telephoto Conditioning (DELETED)											X	

E. Four-Wire/Two-Wire Conversions

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer designated premises, a four-wire to two-wire conversion is required. The rate for the conversion is included as part of the basic Local Channel rate.

E7.2.4 Wired Music Service

A. Basic Channel Description

A Wired Music channel is a channel specified in bandwidth for the transmission of a complex signaling voltage. The actual bandwidth is a function of the channel interface selected by the customer. Only one-way transmission is provided. Wired Music channels are provided between customer designated premises and a Company Hub.

B. Technical Specifications Packages

Parameter	Package AP-1	2	3	4
Actual Measured Loss	X	X	X	X
Amplitude Tracking				
Crosstalk	X	X	X	X
Distortion Tracking				
Gain/Frequency Distortion	X	X	X	X
Group Delay				
Noise	X	X	X	X
Phase Tracking				
Short Term Gain Stability				
Short-Term Loss Total Distortion	X	X	X	X

The technical specifications are delineated in Technical Reference TR-NPL-000337.

C. Channel Interfaces

The following channel interfaces (CIs) define the bandwidths that are available for a Wired Music channel:

CI	Bandwidth
(DELETED)	
PG-3	Nominal frequency from 200 to 3500 Hz
PG-5	Nominal frequency from 100 to 5000 Hz
PG-8	Nominal frequency from 50 to 8000 Hz

Compatible channel interfaces are set forth in Technical Reference TR-NPL-000337.

D. Optional Features and Functions

3. Stereo

Provision of a pair of gain/phase equalized channels for stereo applications. (Additional AP channel must be ordered separately.)

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications AP-			
	1	2	3	4
Central Office Bridging Capability	X	X	X	X
Gain Conditioning	X	X	X	X
Stereo				X

E7.2.5 (DELETED)

E7.2.6 (DELETED)

E7.2.7 Digital Data Access Service

A. Basic Channel Description

A Digital Data channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, or 56 kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Company through the Company's facilities to the customer in the received bit stream. Digital Data channels are only available via Company designated Hubs and are provided between customer designated premises or between a customer designated premises and a Company Hub.

A Hub termination charge applies per Digital Local Channel. This rate element covers the Hub functions (e.g., timing, testing) for the service.

Secondary Channel Capability (SCC) is a derived companion digital transmission path that is independent of the primary data path and operates at a substantially lower bit rate. This derived channel allows the customer to perform network management functions during the normal operation of the network. This diagnostics channel utilizes a portion of a customer's previously unavailable data bit stream allowing for the ability to remotely control and test the network and peripheral devices without taking the network out of service. Special customer equipment is necessary to utilize the benefits of the Secondary Channel. Customers not wishing to utilize this capability will not be impacted. Due to transmission equipment restrictions, Secondary Channel cannot be provided on 56 kbps circuits that require the installation of loop repeater equipment for provision of service.

The customer will provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data channel at the customer premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

B. Technical Specifications Packages

Parameter	Package DA- 1	2	3	4
Error-Free Seconds	X	X	X	X

The Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875 percent error-free seconds while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62310.

Voltages which are compatible with Digital Data Access Service are delineated in Technical Reference TR-NPL-000341.

C. Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a Digital Data channel:

CI	Bit Rate
DU-24(S)[2]	2.4 kbps
DU-48(S)[2]	4.8 kbps
DU-96(S)[2]	9.6 kbps
DU-56(S)[2]	56.0 kbps

Note 2: (S) is an additional BellSouth designation for use when the optional Secondary Channel feature is required.

Compatible channel interfaces are set forth in Technical Reference TR-NPL-000-341.

D. Optional Features and Functions

1. Central Office Bridging Capability

2. (DELETED)

	Available with Technical Specifications Package DA- 1	2	3	4
Central Office Capability	X	X	X	X
(DELETED)				
Secondary Channel Capability	X	X	X	X

E7.3 Channel Interface And Network Channel Codes

E7.3.1 Glossary Of Channel Interface Codes And Options

Code-Option	Definition
AB -	Accepts 20 Hz ringing signal at customer's point of termination
AC -	Accepts 20 Hz ringing signal at the customer's end user's point of termination
(DELETED)	
CT -	Centrex Tie Trunk Termination
DA -	Data stream in VF frequency band at customer's end user's point of termination
DB -	Data stream in VF frequency band at customer's point of termination
- 10	VF for TG1 and TG2
- 43	VF for Telegraph Carrier type signals, TG1 and TG2
DC -	Direct current or voltage
- 1	Monitoring interface with series RC combination (McCulloh format)
- 2	Company energized alarm channel
- 3	Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud)
DD -	Dataphone Select-A-Station (and TABS) interface at customer's point of termination
DE -	Dataphone Select-A-Station (and TABS) interface at customer's end user's point of termination
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
EX - A	Tandem channel unit signaling for loop start or ground start and customer supplies open end (dial tone, etc.) functions.
- B	Tandem channel unit signaling for loop start or ground start and customer supplies closed end (dial pulsing, etc.) functions.
GO -	Ground start loop signaling - open end function by customer or customer's end user
GS -	Ground start loop signaling - closed end function by customer or customer's end user
- C	Centrex foreign exchange termination
- M	For terminating in central office located answering service concentrator
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 function by customer or customer's end user

LR - 20 Hz automatic ringdown interface at customer with Company provided PLAR

LS - Loop start loop signaling - closed end function by customer or customer's end user

- M For termination in central office located answering service concentrator

NO - No signaling interface, transmission only

PG - Program transmission - no dc signaling

(DELETED)

- 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

PR - Protective relaying[2]

Note 2: Available only for the transmission of audio tone protective relaying signals used in the protection of electric power systems during fault conditions.

RV - O Reverse battery signaling, one way operation, originate by customer

- T Reverse battery signaling, one way operation, terminate function by customer or customer's end user

SF - Single frequency signaling with VF band at either customer POT or customer's end user POT

TF - Telephotograph interface

TT - Telegraph/Teletypewriter interface at either customer POT or customer's end user POT

- 2 20.0 milliamperes

TT - 3 3.0 milliamperes

- 6 62.5 milliamperes

(DELETED)
(DELETED)
(DELETED)
(DELETED)
(DELETED)

E7.3.4 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, MT2, etc.) and the network channel codes that are used for various administrative purposes.

Service Designator Code	Network Channel Code
(DELETED)	
MT1	NT
MT2	NU
MT3	NV
(DELETED)	
TG1	NW
TG2	NY
(DELETED)	
VG1	LB
VG2	LC
VG3	LD
VG4	LE
VG5	LF
VG6	LG
VG7	LH
VG8	LJ
VG9	LK
VG10	LN
VG11	LP
VG12	LR
(DELETED)	
AP1	PE
AP2	PF
AP3	PJ
AP4	PK
(DELETED)	
(DELETED)	
(DELETED)	
(DELETED)	
(DELETED)	
(DELETED)	
(DELETED)	
(DELETED)	
(DELETED)	
DA1	XA
DA2	XB

E7.3.5 (DELETED)

E7.4 Rate Regulations

E7.4.1 Types Of Rates And Charges

A. There are two types of rates and charges. These are monthly rates and nonrecurring charges. The rates and charges are described as follows:

1. Monthly Rates

Monthly rates are flat 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.

2. 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

a. Installation of Service

Nonrecurring charges apply to each service installed. When one service is ordered and installed, it is billed at the First Service Installed rate. When more than one of the same type of service, between the same locations, for the same customer is ordered and installed at the same time, one at each location is billed at the First Service Installed rate and the others are billed at the Additional Service Installed rate.

b. 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 Initial nonrecurring charge applies if the feature or function is installed coincident with the primary service. The Subsequent nonrecurring charge applies if the feature or function is installed after the installation of the primary service.

The optional features for which nonrecurring charges apply are:

- Voice Grade D-Conditioning

- Voice Grade Telephoto Capability

- Program Audio Gain Conditioning

- Program Audio Stereo

(DELETED)

3. Service Rearrangements

Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in E5.2.6 preceding or a change in the physical location of the point of the termination at a customer designated premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the point of the termination are treated as moves and are described and charged for as set forth in E7.4.5 following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the Access Service). Administrative changes are as follows:

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes its name -- e.g., AT&T-Long Lines to AT&T-Communications),

- Change of customer or customer'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 customer circuit identification,

- Change of billing account number,

- Change of customer test line number,

- Change of customer or customer's end user contact name or telephone number, and

- Change of jurisdiction.

All other service rearrangements will be charged for as follows:

- If the change involves the addition of other customer designated premises to an existing multipoint service, the nonrecurring charge for the Local Channel 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 Local Channel rate element nonrecurring charge will apply. The charge will apply per service termination affected.

- For all other changes, including a change of the customer of record involving no physical changes to the service provided or the addition of optional features without separate nonrecurring charges, a charge equal to a Local Channel rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

E7.4.2 Surcharge For Special Access Service

B. Special Access Surcharge Exemptions

The Special Access Service will be exempted from the surcharge if the customer provides the Company written certification that the Special Access Service termination is one of the following:

2. an analog Local Channel that is used for radio or television program transmission; or

E. Application of Rates

1. The monthly Special Access Surcharge applies to Special Access services arranged as set forth in E7.4.2.A. preceding, on a per voice equivalent basis as shown in the following example.

Special Access Service	Voice Grade Equivalent		Surcharge	Monthly Charge
Voice Grade	1	X	$25.00	$ 25.00
(DELETED)				
DS1	24	X	25.00	600.00

E7.4.6 Mileage Measurement

A. The mileage to be used to determine the monthly rate for the Interoffice Channel is calculated on the airline distance between the locations involved i.e., the serving wire centers associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Company hub, or two Company hubs. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

C. When Hubs are involved, mileage rates are computed and rates applied separately for each section of the Interoffice Channel, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a hub for purposes other than customer specified bridging or multiplexing (e.g., the Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises. For the purpose of applying multipoint charges, the bridging or hubbing locations are determined by that combination of airline distances connecting the serving wire center which will produce the lowest interoffice mileage charges.

E7.4.7 Facility Hubs

A customer has the option of ordering Voice Grade facilities or digital high capacity facilities (i.e., DS1, DS1C, DS2, DS3 or DS4) to a facility Hub for channelizing to individual services requiring lower capacity facilities (e.g., Telegraph, Voice, Wired Music, etc.).

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. When ordering, the customer will specify the desired multiplexing Hub(s) selected from the Exchange Carrier Association Tariff F.C.C. No. 4. This tariff identifies the type(s) of multiplexing functions which are available and the serving wire centers at which they are available.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate

(DELETED)

- from digital to voice frequency channels

End to end services may be provided on channels of these facilities to a hub. The transmission performance for the end to end service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade, not High Capacity.

The Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a Voice Grade or digital Local Channel, Interoffice Channel, if applicable and the multiplexer at the time the facility is installed. Individual service rates (by service type) will apply for a Local Channel, additional Interoffice Channel (as required), if applicable, for each channelized service. These will be billed to the customer as each individual service is installed.

Cascading multiplexing occurs when a high capacity analog or digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed.

When cascading multiplexing is performed, whether in the same or a different Hub, a charge for the additional multiplexing unit also applies. When cascading multiplexing is performed at different Hubbing locations, Interoffice Channel charges also apply between the Hubs.

Although not requiring multiplexing, the Telephone Company will designate certain hubs for Wired Music services. A customer can order service(s) between customer designated premises and a hub and will be billed accordingly at the rates set forth in E7.5.4 and E7.5.5 following for the service, as appropriate. The customer will be charged for each such connection made at the rates for Other Labor as set forth in E13.2.6.(c) following. The rates that apply for the service between each customer designated premises and the hub are a Local Channel and Interoffice Channel, if applicable. In addition, for Wired Music services, rates for optional features and functions may be applicable.

E7.4.8 Shared Use Analog And Digital High Capacity Services

Shared use occurs when Special Access Service and Switched Access Service and/or WATS Access Line Service are provided over the same High Capacity facility through a common interface. The facility will be ordered and rated as Special Access Service (i.e., Local Channel, Interoffice Channel as appropriate, and Multiplexer, if applicable) until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service or WATS Access Line Service. As each individual channel is activated for Switched Access or WATS Access Line Service, the Special Access Local Channel rates, and Interoffice Channel rates will be reduced accordingly (e.g., 1/24th for a DS1 service, etc.). The customer must place an order for each individual Switched or Special Access or WATS Access Line Service utilizing the Shared Use Facilities and specify the channel assignment for each such service. Switched Access and WATS Access Line Service rates and charges as set forth in E6.8. preceding will apply for each channel of the shared use facility that is used to provide Switched Access or WATS Access Line Service. Where Special Access Service is provided utilizing a channel of the shared use facility to the hub, High Capacity rates and charges will apply for the facility to the hub as set forth preceding and individual service rates and charges will apply from the hub to the customer designated premises. The rates and charges that will apply to the portion from the hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, Telegraph, etc.). The applicable rates and charges will include a Local Channel and Interoffice Channel, if applicable. The applicable rates for WATS Access Lines will be the WATS Access Line Transport rates set forth in E6.8.5., if applicable. Rates and charges for optional features and functions associated with the service, if any, will apply as set forth in E7.5. following

E7.4.9 (DELETED)

E7.5 Rates And Charges

E7.5.1 Metallic Service

A. Local Channel

1. Charge

	Monthly Rate	Nonrecurring Charges First Service Installed	Nonrecurring Charges Additional Service Installed
(a) Per Point of Termination	$20.00	$330.00	$130.00

2. (DELETED)

B. Interoffice Channel

1. Mileage Bands

		Fixed Monthly Charge	Monthly Charge Per Mile	Non-recurring Charges
(a)	0 miles	$	$	$
(b)	1 thru 8 miles	30.00	4.10	100.00
(c)	9 thru 25 miles	30.00	4.00	100.00
(d)	Over 25 miles	30.00	3.90	100.00
(e)	(DELETED)			
(f)	(DELETED)			

C. Optional Features and Functions

1. Bridging

		Monthly Rate	Nonrecurring Charge
(a)	Three Premises Bridging, per port	$3.00	$29.00
(b)	Series Bridging, per port	3.00	29.00

E7.5.2 Telegraph Grade Service[2]

Note 2: Telegraph Grade Service is not available for additions, new installations or moves of service.

A. Local Channel

1. Per Point of Termination

		Monthly Rate
(a)	Two-Wire	$20.00
(b)	Four-Wire	40.00

2. (DELETED)

B. Interoffice Channel

1. Mileage Bands

		Fixed Monthly Charge	Monthly Charge Per Mile
(a)	0 miles	$	$
(b)	1 thru 8 miles	30.00	2.05
(c)	9 thru 25 miles	30.00	2.00
(d)	Over 25 miles	30.00	1.95
(e)	DELETED		
(f)	DELETED		

C. Optional Features and Functions

1. Telegraph Bridging
Two-Wire and Four-Wire

		Monthly Rate
(a)	Two-Wire, per port	$3.00
(b)	Four-Wire, per port	3.00

E7.5.3 Voice Grade Service

A. Local Channel

1. Per Point of Termination

a. Voice Grade

(1) Voice

	Monthly Rate	Nonrecurring Charges First Service Installed	Additional Service Installed
(a) Two-Wire	$25.00	$250.00	$ 99.00
(b) Four-Wire	45.00	260.00	105.00

(2) Data

(a) Two-Wire	30.00	280.00	120.00
(b) Four-Wire	50.00	285.00	130.00

(3) Loop Facilities Not Required[3]

(a) Two-Wire	$10.00	$130.00	$68.00
(b) Four-Wire	10.00	130.00	68.00

Note 3: For connections to Company Centrex CO-Like Switches and Equipment considered to be end-user premises.

2. (DELETED)

B. Interoffice Channel

1. Mileage Bands

		Fixed Monthly Charge	Monthly Charge Per Mile	Non-recurring Charges
(a)	0 mile	$	$	$
(b)	1 thru 8 miles	30.00	2.05	93.00
(c)	9 thru 25 miles	30.00	2.00	93.00
(d)	Over 25 miles	30.00	1.95	93.00
(e)	(DELETED)			
(f)	(DELETED)			

C. Optional Features and Functions

1. Bridging

a. Voice Bridging, Two-Wire/Four-Wire

(1) Per port

	Monthly Rate	Nonrecurring Charge
(a) Two-Wire	$ 12.00	$ 34.00
(b) Four-Wire	14.00	34.00

b. Data Bridging, Two-Wire/ Four-Wire

(1) Per port

(a) Two-Wire	20.00	36.00
(b) Four-Wire	20.00	36.00

c.	Telephoto Bridging, Two-Wire/Four Wire		
	(1) Per port		
	(a) Two-Wire	$ 12.00	$ 34.00
	(b) Four-Wire	14.00	34.00
d.	DataPhone Select-A-Station Bridging - Primary Data Station Selector		
	(1) Sequential Arrangement		
	(a) Common Equipment	250.00	230.00
	(2) Addressable Arrangement		
	(a) Common Equipment	250.00	255.00
	(3) Channel Connections		
	(a) Per two-wire connection	5.00	35.00
	(b) Per four-wire connection	15.00	40.00
e.	Dataphone Select-A-Station Bridging - Secondary Data Station Selector		
	(1) Sequential Arrangement		
	(a) Common Equipment	250.00	230.00
	(2) Addressable Arrangement		
	(a) Common Equipment	250.00	255.00
	(3) Channel Connections		
	(a) Per two-wire connection	5.00	35.00
	(b) Per four-wire connection	15.00	40.00
f.	Telemetry and Alarm Bridging - Split Band, Active Bridging		
(1)	Common Equipment, per central office		

(a)	First bridging shelf, capacity of 48 two-wire connections	$120.00	$375.00
(b)	Additional bridging shelf, capacity of 56 two-wire connections installed subsequent to the first bridging shelf	120.00	340.00
(c)	Additional bridging shelf, capacity of 56 two-wire connections installed at the same as the first bridging shelf	50.00	210.00
(2)	Channel connections, per channel connected		
(a)	Remote station channel connection	5.00	35.00
(b)	Mid-link channel connection, first channel	10.00	45.00
(c)	Mid-link channel connection, subsequent channels	10.00	45.00

2. Conditioning, Per Point of Termination

		Monthly Rate	Nonrecurring Charge Initial	Subsequent
(a)	C-Type	$ 3.00	$ 19.00	$ 88.00
(b)	Improved Attenuation Distortion	85.00	75.00	155.00
(c)	Improved Envelope Delay Distortion	120.00	75.00	155.00
(d)	Sealing Current	1.00	35.00	96.00

3. Echo Control For Effective Two-Wire Service

(1)	Per Point of Termination			
(a)	Improved Return Loss at the Two-Wire Point of Termination	20.00	9.00	260.00
(b)	ELEPL2 at the Four-Wire Point of Termination	20.00	9.00	260.00

4. Customer Specified Receive Level

(a)	Per two-wire Point of Termination	20.00	6.00	73.00

5. (DELETED)

6. D-Conditioning

(a) Per Point of Termination	$ 3.00	$12.00	$290.00

7. Telephoto Conditioning

(a) Per Point of Termination	3.00	6.00	255.00

8. Signaling Capability, per Point of Termination

(a) Loop[2]	6.00	18.00	275.00
(b) Single Frequency	7.00	26.00	280.00
(c) E&M[3]	9.00	28.00	280.00
(d) Ground[4]	6.00	12.00	265.00
(e) Type C	3.00	16.00	270.00
(f) Other[5]	6.00	21.00	275.00

(DELETED)

Note 2: In lieu of + + substitute LO or LS as appropriate.

Note 3: In lieu of + + substitute EA, EB, EC or CT as appropriate.

Note 4: In lieu of + + substitute GO or GS as appropriate.

Note 5: In lieu of + + substitute LA, LB, LC, LR, RV, DX, DY, EX, AB or AC as appropriate.

9. Improved Termination

	Monthly Rate	Nonrecurring Charge Initial	Subsequent
(a) Per Point of Termination	$ 3.00	$ 6.00	$260.00

10. Simplex Reversal

(a) Per Point of Termination		6.00	105.00

11. (DELETED)

E7.5.4 Wired Music Service

A. Local Channel

1. Per Point of Termination

		Monthly Rate	Nonrecurring Charges First Service Installed	Additional Service Installed
(a)	200 to 3500 Hz	$ 35.00	$455.00	$190.00
(b)	100 to 5000 Hz	45.00	530.00	255.00
(c)	50 to 8000 Hz	50.00	540.00	265.00
(d)	(DELETED)			

2. (DELETED)

B. Interoffice Channel

1. 200 to 3500 Hz

Mileage Bands

		Fixed Monthly Charge	Monthly Charge Per Mile	Non-recurring Charges
(a)	0 mile	$	$	$
(b)	1 thru 8 miles	30.00	2.05	75.00
(c)	9 thru 25 miles	30.00	2.00	75.00
(d)	Over 25 miles	30.00	1.95	75.00
(e)	(DELETED)			
(f)	(DELETED)			

2. 100 to 5000 Hz

Mileage Bands

(a)	0 mile			
(b)	1 thru 8 miles	50.00	4.10	67.00
(c)	9 thru 25 miles	50.00	4.00	67.00
(d)	Over 25 miles	50.00	3.90	67.00
(e)	(DELETED)			
(f)	(DELETED)			

3. 50 to 8000 Hz

Mileage Bands

(a)	0 mile			
(b)	1 thru 8 miles	$70.00	$ 6.15	$ 67.00
(c)	9 thru 25 miles	70.00	6.00	67.00
(d)	Over 25 miles	70.00	5.85	67.00
(e)	(DELETED)			
(f)	(DELETED)			

4. (DELETED)

C. Optional Features and Functions

1. Bridging, Distribution Amplifier

		Monthly Rate	Nonrecurring Charge
(a)	Per port	$ 2.00	$ 29.00

2. Gain Conditioning

		Nonrecurring Charge	
		Initial	Subsequent
(a)	Per service	$23.00	$ 78.00

3. (DELETED)

E7.5.5 (DELETED)

E7.5.6 (DELETED)

E7.5.7 Digital Data Access Service

A. Local Channel

1. Per Point of Termination

			Nonrecurring Charges	
		Monthly Rate	First Service Installed	Additional Service Installed
(a)	2.4 kbps	$ 50.00	$355.00	$115.00
(b)	4.8 kbps	50.00	355.00	115.00
(c)	9.6 kbps	50.00	355.00	115.00
(d)	56.0 kbps	70.00	355.00	115.00

2. (DELETED)

3. Hub Termination, per Local Channel

(a) 2.4 kbps	$10.00	$55.00	$ 47.00
(b) 4.8 kbps	10.00	55.00	47.00
(c) 9.6 kbps	10.00	55.00	47.00
(d) 56.0 kbps	30.00	55.00	47.00

B. Interoffice Channel

1. 2.4 kbps

Mileage Bands

	Fixed Monthly Charge	Monthly Charge Per Mile	Non-recurring Charges
(a) 0 mile	$	$	$
(b) 1 thru 8 miles	20.00	2.05	63.00
(c) 9 thru 25 miles	20.00	2.00	63.00
(d) Over 25 miles	20.00	1.95	63.00
(e) (DELETED)			
(f) (DELETED)			

2. 4.8 kbps

Mileage Bands

(a) 0 mile			
(b) 1 thru 8 miles	20.00	2.05	63.00
(c) 9 thru 25 miles	20.00	2.00	63.00
(d) Over 25 miles	20.00	1.95	63.00
(e) (DELETED)			
(f) (DELETED)			

3. 9.6 kbps

Mileage Bands

(a) 0 mile			
(b) 1 thru 8 miles	20.00	2.05	63.00
(c) 9 thru 25 miles	20.00	2.00	63.00
(d) Over 25 miles	20.00	1.95	63.00
(e) (DELETED)			
(f) (DELETED)			

4. 56 kbps

Mileage Bands

(a)	0 mile	$	$	$
(b)	1 thru 8 miles	40.00	4.10	63.00
(c)	9 thru 25 miles	40.00	4.00	63.00
(d)	Over 25 miles	40.00	3.90	63.00
(e)	(DELETED)			
(f)	(DELETED)			

C. Optional Features and Functions

1. Bridging

		Monthly Rate	Nonrecurring Charge
(a)	Per port	$ 25.00	$ 25.00

2. (DELETED)

3. Digital Data Secondary Channel Capability, per Local Channel

		Monthly Rate	Nonrecurring Charge	
			Initial	Subsequent
(a)	Each	$15.00	$	$196.00

D. (DELETED)

E7.5.8 High Capacity Service

A. Local Channel

1. Per Point of Termination

		Monthly Rate	Nonrecurring Charges First Service Installed	Additional Service Installed
(a)	1.544 Mbps[2]	$140.00	$775.00	$335.00
(b)	3.152 Mbps[2]			
(c)	6.312 Mbps[2]			
(d)	44.736 Mbps[2]			
(e)	274.176 Mbps[2]			

Note 2: ICB rates and charges apply.

B. Interoffice Channel

1. 64 kbps

Mileage Bands

		Fixed Monthly Charge	Monthly Charge Per Mile	Non-recurring Charges
(a)	0 mile[3]	$ 3.00	$	$ 22.00
(b)	1 thru 8 miles	75.00	4.10	85.00
(c)	9 thru 25 miles	75.00	4.00	85.00
(d)	Over 25 miles	75.00	3.90	85.00
(e)	(DELETED)			
(f)	(DELETED)			

Note 3: Applies to through connection of 2.4, 4.8, 9.6, 56.0 and 64 kbps.

2. 1.544 Mbps

Mileage Bands

		Fixed Monthly Charge	Monthly Charge Per Mile	Non-recurring Charges
(a)	0 mile	$	$	$
(b)	1 thru 8 miles	75.00	83.00	200.00
(c)	9 thru 25 miles	80.00	73.00	200.00
(d)	Over 25 miles	100.00	71.00	200.00
(e)	(DELETED)			
(f)	(DELETED)			

3. 3.152 Mbps

Mileage Bands

(a) 0 mile
(b) 1 thru 8 miles[2]
(c) 9 thru 25 miles[2]
(d) Over 25 miles[2]
(e) (DELETED)
(f) (DELETED)

Note 2: ICB rates and charges apply.

4. 6.312 Mbps

Mileage Bands

(a) 0 mile
(b) 1 thru 8 miles[2]
(c) 9 thru 25 miles[2]
(d) Over 25 miles[2]
(e) (DELETED)
(f) (DELETED)

Note 2: ICB rates and charges apply.

5. 44.736 Mbps

Mileage Bands

(a) 0 mile
(b) 1 thru 8 miles[2]
(c) 9 thru 25 miles[2]
(d) Over 25 miles[2]
(e) (DELETED)
(f) (DELETED)

Note 2: ICB rates and charges apply.

6. 274.176 Mbps

Mileage Bands

(a) 0 mile
(b) 1 thru 8 miles[2]
(c) 9 thru 25 miles[2]
(d) Over 25 miles[2]
(e) (DELETED)
(f) (DELETED)

Note 2: ICB rates and charges apply.

C. Optional Features and Functions

1. Multiplexing

c. DS2 to DS1

(1) Per arrangement

(a) Each[2]

Note 2: ICB rates and charges apply.

d. DS1C to DS1

(1) Per arrangement

(a) Each[2]

Note 2: ICB rates and charges apply.

e. DS1 to Voice

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent
(1) Per arrangement			
(a) Each	$400.00	$180.00	$545.00

f. DS1 to DS0

(1) Per arrangement			
(a) Each	400.00	70.00	175.00

g. DS0 to Subrates

(1) Per arrangement			
(a) Up to 20 2.4 kbps services	250.00	68.00	140.00
(b) Up to 10 4.8 kbps services	170.00	68.00	140.00
(c) Up to 5 9.6 kbps services	175.00	68.00	140.00

2. Automatic Loop Transfer

(a) Per arrangement[3]	175.00	15.00	69.00

Note 3: An additional Local Channel charge will apply whenever the spare line is provided as a leg to the customer premises.

3. (DELETED)

D. (DELETED)

E7.5.9 Message Station Equipment Recovery Charge

A. Message Station Equipment Recovery Charge

1. Per Special Access Surcharge Assessed

	Monthly Rate
(a) Each	$ 3.79

E7.5.10 Special Access Surcharge

A. Rates

1. Per Voice Grade Equivalent

(a) Each	$ 25.00