

LARGE FILING SEPERATOR SHEET

CASE NUMBER: 08-358-TP-ATA

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APPLICATION

PART 15 - Dedicated Communications Services
SECTION 1 - General

1st Revised Sheet No. 19
Cancels
Original Sheet No. 19

P. MILEAGE CALCULATIONS USING V&H COORDINATES

Mileage measurements (Channel Mileage) for purposes of Dedicated Communications Services (digital) is defined as the distance between two serving wire centers, a serving wire center and a Carrier Point of Presence (POP), or a serving wire center and either a Company hub, multiplexing location or ring node. In order to calculate mileage measurements, a mathematical process using V&H Coordinates is used.

V & H Coordinates

V&H grid lines have been established across the state. The spacing between adjacent vertical grid lines represents a distance of one coordinate unit. This unit is the square root of 0.1 (approximately 0.3), expressed in statute miles. A vertical (V) and horizontal (H) coordinate is computed for each wire center from its latitude and longitude location by use of appropriate map projection equations. A pair of V&H coordinates locates a wire center at the intersection of its vertical grid line with its horizontal grid line.

The National Exchange Carrier Association (NECA) Tariff F.C.C. No. 4 lists the V&H coordinates for all state wire centers.

Calculation

When computing mileage distances (Channel Mileage) for Dedicated Communications Services, the following process should be used:

STEP 1

Obtain the V&H coordinates for each wire center (from NECA #4).

EXAMPLE		
	V	H
Wire Center #1	5574	2543
Wire Center #2	5495	2508

STEP 2

Calculate the difference between the V coordinates of the two wire centers.

	V	H
Difference	79	

Calculate the difference between the H coordinates of the two wire centers.

Difference		35
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NOTE: The difference is always obtained by subtracting the smaller coordinate from the larger coordinate.

Material formerly appeared in Part 15, Section 1, Sheet Nos. 1-31.

Issued: December 19, 1996

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In accordance with Case No. 96-1230-TP-ATA, issued November 18, 1996.

By J. F. Woods, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 1 - General

1st Revised Sheet No. 20
Cancels
Original Sheet No. 20

P. MILEAGE CALCULATIONS USING V&H COORDINATES (cont'd)

Calculation (cont'd)

STEP 3

Square the V and H difference found in
STEP 2.

Square

V	H
6,241	1,225

STEP 4

Add the squares of the V and H
differences found in **STEP 3.**

Add

7,466

STEP 5

Divide the sum of the squares determined
in **STEP 4** by 10.

Divide by 10

746.6

STEP 6

Obtain the square root of the result
obtained in **STEP 5.**

Square Root

27.3

STEP 7

The result obtained in **STEP 6** is the
distance in miles between wire centers.
Since fractional miles are considered
full miles, round the result up to the
next integer value.

Distance

28 miles

(T)

(T)

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PART 15 - Dedicated Communications Services
SECTION 1 - General

1st Revised Sheet No. 21
Cancels
Original Sheet No. 21

Q. SHARED NETWORK ARRANGEMENT

A Shared Network Arrangement is a service offering that enables a customer (the Service User) to connect subtending services to the higher speed multiplexed service of another customer (the Host Subscriber).

The following terms and conditions apply to Shared Network Arrangements:

1. The Company will maintain separate records and billing for each customer. Each customer will be billed for those elements associated with their own portion of the service configuration. Under no circumstances will the charges for individual elements be split.
2. Under the Shared Network Arrangement, the Company may share record information with the Host Subscriber pertaining to the services of other users of the shared network. Such disclosure will be under the sole discretion of the Company as is necessary to perform billing reconciliation and/or other functions required in connection with maintaining account records.
3. When establishing service under a Shared Network Arrangement, the Host Subscriber and the Service User must coordinate with each other the design, testing and maintenance of the service; additionally, the Service User must provide to the Company the Connecting Facility Assignment (CFA) and the High Capacity Billing Account Number (HBAN) of the Host Subscriber.
4. Upon receipt of a letter of authorization for a Shared Network Arrangement from the Host Subscriber, the Company will undertake to connect the Service User's circuits to the Host Subscriber's service and to establish and maintain separate billing for the Service User's portion of the service. In the event that the Service User is requesting a subtending circuit from a Host Shared Network Arrangement with a third-party host (a cascading Shared Network Arrangement), the Service User must also obtain and provide to the Company the appropriate HBAN and CFA of the third-party host, in order to identify the complete circuit for purposes of maintenance and testing continuity.

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PART 15 - Dedicated Communications Services
SECTION 1 - General

1st Revised Sheet No. 22
Cancels
Original Sheet No. 22

Q. SHARED NETWORK ARRANGEMENT (cont'd)

5. Each customer entering into a Shared Network Arrangement is solely responsible to the Company for charges associated with that customer's portion of the shared network. Disconnection of service by the Host Subscriber does not relieve another user of the network of any obligation to pay access charges associated with the portion of the shared network to which that user subscribes. Billing for services and facilities will continue until a disconnect request from the Service User has been received by the Company. The Host Subscriber is solely responsible for notifying the connecting Service User in the event of disconnection of the host service which affects that portion of the shared network service to which the Service User has subscribed.
6. For administrative purposes, one "arrangement" under the Shared Network Arrangement offering shall be limited to the agreement between one Host Subscriber and one Service User permitting the Service User to connect a specified number of subtending circuits to one specified multiplexer on the host's service. Agreements between one Host Subscriber and two (or three, etc.) Service Users shall be deemed to comprise two (or three, etc. respectively) separate "Arrangements". However, an agreement to expand the scope of an existing Arrangement by subsequently increasing the number of subtending circuits on the same multiplexer shall not constitute a new or separate "Arrangement".
7. Shared Use as described elsewhere in this Tariff will apply to both the Host Subscriber's and Service User's portion of the service for which they are billed. Any reconciliation of shared use must be negotiated between the Host Subscribers and Service Users.

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(T)

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PART 15 - Dedicated Communications Services
SECTION 1 - General

1st Revised Sheet No. 23
Cancels
Original Sheet No. 23

Q. SHARED NETWORK ARRANGEMENT (cont'd)

8. A Shared Network Arrangement shall be established between a Host Subscriber and a Service User upon the completion of the service order for the first circuit(s) in the arrangement. No Shared Network Arrangement shall be deemed to be in effect until at least one subtending circuit has been installed for the Service User. A Shared Network Arrangement shall be deemed canceled when the last subtending circuit has been disconnected.
9. When a Service User places an order that requests the connection of a subtending circuit(s) to a Host Subscriber's multiplexed service, a Processing Charge will be applied to each service connection requested. The Processing Charge applies in addition to all other applicable charges.

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(T)

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PART 15 - Dedicated Telecommunications Services
SECTION 1 - General

11th Revised Sheet 24
Cancels 10th Revised Sheet 24

R. TERM PAYMENT PLANS

The following services are offered under a Term Payment Plan (TPP):

Base Rate Service^{1/1}
128, 256 and 384 Service
DS1 Service
DS3 Service
OC-n Point-to-Point Service
OC-n Dedicated Ring Service
ProtectPath[®] Service
Fiber Distributed Data Interface (FDDI) Service
LAN Interconnect Service (ALIS)
Central Office Multiplexing and Cross Connect Services
Network Reconfiguration Service (NRS)
GigaMAN[®] Service
FibreMAN[®] Service

Multi-service Optical Network Ring (MON Ring) Service

(D)

During the length of the selected TPP, monthly prices for service ordered under the plan will automatically change (increase or decrease) as Company-initiated price changes become effective. However, under no circumstances will any price change cause the monthly price for the service to exceed the price that was in effect at the beginning of the selected TPP term.

^{1/1} Effective December 1, 2006, Term Payment Plans (TPP) for Base Rate Service are grandfathered. Existing customers may remain on their current plan until the existing term expires. Upon expiration, customers will be charged the current monthly rates.

Issued: December 12, 2007

Effective: December 12, 2007

In accordance with an Order issued by the Public Utilities Commission of Ohio, dated January 6, 2003, Case No. 02-3069-TP-ALT.

By Connie Browning, President, Cleveland, Ohio

TFA No. OH-07-17751

R. TERM PAYMENT PLANS (cont'd)

(C)

In addition to other regulations of this tariff, the following terms and /1/
conditions apply to Term Payment Plans:

Term Payment Plans for Base Rate Service will not be offered on circuits
that are single billed with a location in an Independent Telephone
Company territory.

Term Payment Plans for 128, 256, 384, and DS1 Service will not be
offered on circuits that have both locations in an Independent Telephone
Company territory.

For DS3 Service, only a twelve-month Term Payment Plan will be offered
on circuits that have both locations in an Independent Telephone Company
territory.

When the telephone companies involved in provisioning service change to
meet point multiple billing, the TPP rates associated with the portion
of the circuit in the Independent Telephone Company territory become
null and void. Under the meet point multiple billing arrangement, the
Independent Telephone Company(s) involved will provide billing at their
tariffed rates for the portion of the circuit in their territory. The
TPP for the AT&T Ohio portion of the circuit will remain intact. A
60-day advance notice will be sent to customers prior to a change from a
single bill to multiple bills. /1/

(C)

/1/ Material formerly appeared on 8th Revised Sheet 24. in this Section.

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By Connie Browning, President, Cleveland, Ohio

R. Term Payment Plans (cont'd)

In the event the billing is changed to meet point multiple billing and the customer chooses not to keep the TPP in effect, the customer can terminate the TPP and termination liability charges will not apply.

1. With the written permission of the Company, the obligation to pay the TPP charges may be assumed by another customer if the service has not been terminated and if the other customer intends to continue using the service at the present location and actually continues such use. Such assumption of service does not relieve or discharge the original customer from remaining jointly or severally liable with the transferee for any and all obligations existing at the time of the transfer.
2. During a customer's TPP term, conversion may be made to a new TPP term of the same or different length or to a higher speed service so long as any product-specific upgrade criteria are met (refer to the applicable product tariff), if the expiration date for the new service or TPP term is beyond the end of the original TPP term. The new TPP becomes effective upon execution. Customers may also change from a Month-to-Month Payment Plan to an TPP. No credit for months under the previous TPP or under the month-to-month plan may be transferred to the new TPP. The customer incurs no liability for the remaining months on the original TPP, since the change is not considered a termination of service. Nonrecurring Charges, as appropriate, will apply for changes to the customer's service. For example, if a customer converts to a higher speed service, nonrecurring charges will apply. The prices applicable for the new term are those currently in effect for new customers. (T)
3. If a customer requests additional Primary Termination(s) and/or a Central Office Multiplexer Termination be added to an existing TPP, there are two methods available: (T)
 - The addition(s) to the circuit may be added at the month-to-month or monthly extension price (if applicable) currently in effect, or
 - The addition(s) will be governed by the original TPP date of the circuit and will be billed at the then current tariff price for the TPP items being added for the TPP term length the customer originally specified.

A customer may combine both methods on the same circuit.

4. If a modification of use causes a service to be redesignated to an Access Service status, the remaining length of the contract continues to apply.

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In accordance with an Order issued by the Public Utilities Commission of Ohio, dated January 6, 2003, Case No. 02-3069-TP-ALT.

By Connie Browning, President, Cleveland, Ohio

R. TERM PAYMENT PLANS (cont'd)

Changes (cont'd)

5. During a customer's DS3 Service TPP term^{/1/}, conversion may be made from one DS3 Service or DS3 Service package to a higher speed service, if the expiration date for the new TPP term is beyond the end of the original TPP term. The new TPP becomes effective upon execution. The customer incurs no liability for the remaining-months on the original TPP, since the change is not considered a termination of service. Nonrecurring Charges, as appropriate, will apply for changes to the customer's service. (T)
(T)

Renewal Options

1. Six months prior to completion of the customer TPP term, any term then available under the TPP may be selected at the prices currently in effect for new customers at the time of the renewal. The Customer will be charged the then current price for the renewal payment period upon execution of the new TPP.

Term Payment Plan Renewal Program Option

The Term Payment Plan (TPP) Renewal Program offers DS1 and DS3 customers who are within six months of completing an existing 36-month or 60-month TPP term, a one-time renewal credit in return for committing to a new TPP term of either 36 months or 60 months. The amount of the one-time credit will be dependent upon the customer's existing (completed) TPP term and the length of the new/renewed TPP term. (T)

/1/ DS3 Service Packages will not be available to new customers after April 10, 2000. Customers with existing DS3 Service Packages may maintain their service as currently configured, or may add/reduce the number of active Service Channels within their existing Service Package configuration subject to the terms and conditions of this tariff. However, existing customers may not; order new DS3 Service Packages, renew their DS3 Service Package TPP, or upgrade their DS3 Service Packages after April 10, 2000. Customers may convert their existing DS3 Service Package(s) to DS3 Service as offered after April 10, 2000 at no charge as long as the new TPP is of equal or longer term as their previous Service Package TPP and there is no decrease in the quantity of DS3 channels. DS3 Service Packages will no be available after April 9, 2005.

Issued: March 25, 2004

Effective: March 25, 2004

In accordance with an Order issued by the Public Utilities Commission of Ohio, dated January 6, 2003, Case No. 02-3069-TP-ALT.

By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 1 - General

2nd Revised Sheet No. 26.1
Cancels
1st Revised Sheet No. 26.1

R. TERM PAYMENT PLANS (cont'd)

Renewal Options (cont'd)

Term Payment Plan Renewal Program Option (cont'd)

To qualify for the TPP Renewal Program, customers must complete their existing 36-month or 60-month term and commit to a consecutive 36-month or 60-month TPP term beginning with the expiration of their existing 36-month or 60-month TPP. Customers who wish to participate in the TPP Renewal Program will receive a renewal credit for each DS1 Local Distribution Channel and each DS3 Channel Mileage Termination, Channel Mileage, and Multiplexing service component renewed under the TPP Renewal Program. The renewal credit will be applied to the customer's monthly bill beginning with the renewed TPP term. (T) (T)

The TPP Renewal Program is an optional offering. Customers may choose not to renew their qualifying services under the program, in which case no credit will be provided. Customers who choose to renew qualifying services under the program will receive a credit applied automatically to their monthly bill in the amount of the monthly charges for the qualifying service until the renewal credit amount is exhausted. The renewal credit will be applied to the account under which the renewed service is billed at the time the renewed TPP term begins.

Except as provided for in **Moves**, customers terminating a service component that was renewed under the TPP Renewal Program prior to the expiration of the renewed TPP term shall be liable for a TPP renewal termination charge. The charge will be equal to the renewal credit originally provided plus the dollar difference between the current TPP rate for a TPP term that could have been completed during the time the renewed service was actually in service, or the monthly rate for services in place less than 12 months, and the customer's current TPP rates for each month the renewed service was provided.

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PART 15 - Dedicated Communications Services
SECTION 1 - General

1st Revised Sheet No. 26.2
Cancels
Original Sheet No. 26.2

R. TERM PAYMENT PLANS (cont'd)

Renewal Options (cont'd)

Term Payment Plan Renewal Program Option (cont'd)

The following renewal credits will apply to existing 36-month TPP
service components renewed under the TPP Renewal Program.

Service Component	TPP Renewal Credit	
	36 Months	60 Months
DS1 Local Distribution Channel	\$170.00	\$330.00
DS3 to DS1 Multiplexer	490.00	970.00
DS3 Channel Mileage (per mile)	40.00	80.00
DS3 Channel Mileage Termination	270.00	540.00

/1/ Material now appears on Original Sheet 64 through Original Sheet 76 in
Part 20, Section 15 of this Tariff.

Issued: March 11, 2003

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Telecommunications Services
SECTION 1 - General

9th Revised Sheet 26.3
Cancels 8th Revised Sheet 26.3

R. TERM PAYMENT PLANS (cont'd)

Renewal Options (cont'd)

1. Term Payment Plan Renewal Program Option (cont'd)

The following renewal credits will apply to existing 60-month TPP service components renewed under the TPP Renewal Program.

Service Component	TPP Renewal Credit	
	36 Months	60 Months
DS1 Local Distribution Channel	\$270.00	\$ 550.00
DS3 to DS1 Multiplexer	810.00	1,620.00
DS3 Channel Mileage (per mile)	70.00	130.00
DS3 Channel Mileage Termination	450.00	900.00

2. If the customer does not elect a new TPP after completion of a TPP and does not request discontinuance of service, service will be continued at the monthly price then currently in effect for the Month-to-Month Payment Plan (or monthly extension price for DS3 Service, OC-n Point-to-Point Service, ProtectPath® Service, GigaMAN® Service, FibreMAN® Service, or Multi-service Optical Network Ring (MON Ring) Service). At a later date, the customer may elect any TPP option currently in effect for new customers. (D)
3. Monthly extension prices for DS3 Service, OC-n Point-to-Point Service, ProtectPath Service, GigaMAN® Service, FibreMAN® Service, or Multi-service Optical Network Ring (MON Ring) Service will apply only after a customer has completed a TPP term. (D)
4. The monthly TPP prices applicable for the new term are those currently in effect for new customers.
5. There are no Nonrecurring Charges associates with renewing a TPP.

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By Connie Browning, President, Cleveland, Ohio

TFA No. OH-07-17751

R. Term Payment Plans (cont'd)

Moves

During a TPP term a customer may move one Local Distribution Channel (LDC) of a Base Rate¹¹, 128, 256 and 384, DS1 or DS3 Service to another location in the same LATA and keep the TPP in force, provided no lapse in service occurs. Nonrecurring Charges, as appropriate, will apply. (C)

NRS

During a customer's TPP term, a customer may elect to include DS3, DS1, 128, 256 and 384 or a Base Rate Service into the customer's Network Reconfiguration Service (NRS) database. The customer may opt to convert to a new TPP term of the same or different length or to continue the current TPP term to the original expiration date. If the expiration date for the new TPP term is beyond the end of the original TPP term, termination charges for the original term will not apply. Adding an existing service to the customer's Network Reconfiguration Service database requires that all nonrecurring charges applicable to the installation of the service apply.

/1/ Effective December 1, 2006, Term Payment Plans (TPP) for Base Rate Service are grandfathered. Existing customers may remain on their current plan until the existing term expires. Upon expiration, customers will be charged the current monthly rates.

R. TERM PAYMENT PLANS (cont'd)

Termination Charges

Customers requesting termination of the service (or a leg(s) of a multi-point circuit) provided under the Term Payment Plan (TPP) prior to the expiration of TPP term will remain liable for payment of a termination charge not to exceed the remaining obligation under the TPP. The termination charge shall become due and payable in its entirety immediately upon any such termination and will be calculated as a percentage of the monthly TPP charges for the remainder of the term as indicated below.

For service term agreements which become effective on or after May 3, 2004, customer termination liability for cancellation of service shall be equal to:

- Any unpaid Special Construction or nonrecurring charges (excluding any waived charges); plus
- Fifty percent (50%) of all recurring charges for the remaining months of the customer's term

(N)
|
(N)

1. The termination charge for all TPP terms subscribed to prior to November 10, 1997, discontinued prior to the expiration of the selected TPP term except for:

- DS3 Service Packages^{/1/}
 - termination charges - see 3. following
- OC-n Dedicated Ring Service
 - termination charges - see 4. following

/2/

/1/ DS3 Service Packages will not be available to new customers after April 10, 2000. Customers with existing DS3 Service Packages may maintain their service as currently configured, or may add/reduce the number of active Service Channels within their existing Service Package configuration subject to the terms and conditions of this tariff. However, existing customers may not order new DS3 Service Packages, renew their DS3 Service Package TPP, or upgrade their DS3 Service Packages after April 10, 2000. Customers may convert their existing DS3 Service Package(s) to DS3 Service as offered after April 10, 2000 at no charge as long as the new TPP is of equal or longer term as their previous Service Package TPP and there is no decrease in the quantity of DS3 channels. DS3 Service Packages will no be available after April 9, 2005.

/2/ Material now appears on 9th Revised Sheet 28.1 in this Section.

(N)

Issued: May 3, 2004

Effective: May 3, 2004

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Telecommunications Services
SECTION 1 - General

10th Revised Sheet 28.1
Cancels 9th Revised Sheet 28.1

R. TERM PAYMENT PLANS (cont'd)

Termination Charges (cont'd)

1. (cont'd)

- Fiber Distributed Data Interface (FDDI) Service and LAN Interconnect Service (ALIS)
- termination charges - see 6. following
- Multi service Optical Network Ring (MON Ring) Service and GigaMAN® Service (D)
- termination charges - see 7. following

will be calculated as follows:

The dollar difference between the current monthly TPP price for the TPP term that could have been completed during the time the service was actually in service or the monthly price for service in place less than 12 months and the customer's current TPP price for each month the service was provided.

Example:

A customer subscribed to a 60-month TPP term and disconnected service during the 37th month. This customer's termination charge would be:

$(36\text{-month TPP price} - 60\text{-month TPP price}) \times 37 = \text{Termination Charge}$

The 36-month TPP term could have been completed during the months the service was actually in service.

All recurring rate termination charges will be based on the TPP prices in effect at the time of termination.

2. The termination charge for all TPP terms subscribed to after November 10, 1997, but prior to May 3, 2004, discontinued prior to the expiration of the selected TPP term except for:
 - DS1 and DS3 TPP terms subscribed to under the TPP Renewal Program
- As described in Renewal Options (preceding)

/1/ Material formerly appeared on 8th Revised Sheet 28 in this Section.

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By Connie Browning, President, Cleveland, Ohio

TFA No. OH-07-17751

PART 15 - Dedicated Telecommunications Services
SECTION 1 - General

7th Revised Sheet 28.2
Cancels 6th Revised Sheet 28.2

R. TERM PAYMENT PLANS (cont'd)

Termination Charges (cont'd)

2. (cont'd)

- DS3 Service Packages^{/1/}
 - termination charges – see 3. following
- ProtectPath Service
 - termination charges – see 5. following
- Fiber Distributed Data Interface (FDDI) Service and LAN Interconnect Service (ALIS)
 - termination charges – see 6. following
- Multi service Optical Network Ring (MON Ring) Service, GigaMAN[®] Service and FibreMAN[®] Service (D)
 - termination charges - see 7. following
- OC-n Dedicated Ring Service
 - termination charges – see 4. following

will be calculated as the lesser of Method A or Method B as follows:

METHOD A:

- Service discontinued in first through 11th month
$$(40\% \times 12\text{-month TPP rate} \times [12 - \text{number of months in service}] + [12\text{-month TPP rate} - \text{subscribed to TPP rate}] \times \text{number of months in service}) = \text{Termination Charge}$$

/1/ DS3 Service Packages will not be available to new customers after April 10, 2000. Customers with existing DS3 Service Packages may maintain their service as currently configured, or may add/reduce the number of active Service Channels within their existing Service Package configuration subject to the terms and conditions of this tariff. However, existing customers may not order new DS3 Service Packages, renew their DS3 Service Package TPP, or upgrade their DS3 Service Packages after April 10, 2000. Customers may convert their existing DS3 Service Package(s) to DS3 Service as offered after April 10, 2000 at no charge as long as the new TPP is of equal or longer term as their previous Service Package TPP and there is no decrease in the quantity of DS3 channels. DS3 Service Packages will no be available after April 9, 2005.

PART 15 - Dedicated Communications Services
SECTION 1 - General

2nd Revised Sheet No. 28.3
Cancels
1st Revised Sheet No. 28.3

R. TERM PAYMENT PLANS (cont'd)

Termination Charges (cont'd)

2. (cont'd)

METHOD A (cont'd)

Example:

A customer subscribed to a 36-month TPP term and disconnected service at the end of the fifth month. This customer's termination charge would be:

$(40\% \times 12\text{-month TPP rate} \times [12 - 5 \text{ months}] + [12\text{-month TPP rate} - 36\text{-month TPP rate}] \times 5 \text{ months}) = \text{Termination Charge}$

All recurring price termination charges will be based on the TPP prices in effect at the time of termination.

- Service discontinued in 12th through 60th month

The dollar difference between the current TPP price for the TPP term that could have been completed during the time the service was actually in service and the customer's current TPP price for each month the service was provided.

Example:

A customer subscribed to a 60-month TPP term and disconnected service during the 37th month. This customer's termination charge would be:

$(36\text{-month TPP price} - 60\text{-month TPP price}) \times 37 = \text{Termination Charge}$

The 36-month TPP term could have been completed during the months the service was actually in service.

All recurring price termination charges will be based on the TPP prices in effect at the time of termination.

/1/ Material formerly appeared on 1st Revised Sheet 28.2 of this Section.

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 1 - General

7th Revised Sheet No. 29
Cancels
6th Revised Sheet No. 29

R. TERM PAYMENT PLANS (cont'd)

Termination Charges (cont'd)

2. (cont'd)

METHOD B

The total monthly payments remaining under the Term Payment Plan.

(Number of subscribed to TPP months - number of months in
service) x (subscribed to TPP price) = Termination Charge

Example:

A customer subscribed to a 36-month TPP term and disconnected
service at the end of the 34th month. This customer's
termination charge would be:

(36 - 34 months) x (36-month TPP price) = Termination
Charge

3. DS3 Service Packages

- Service discontinued in the first through 11th month

((.85 x 12-month TPP price) x (12 - number of months in
service)) + ((12-month TPP price - subscribed to TPP
price) x number of months in service) =
Termination Charge

Example:

A customer subscribed to a 36-month TPP term and disconnected
service at the end of the fifth month. This customer's
termination charge would be:

((.85 x 12-month TPP price) x (12 - 5 months)) + ((12-
month TPP price - 36-month TPP price) x 5 months) =
Termination Charge

All recurring price termination charges will be based on the TPP
prices in effect at the time of termination.

/1/ Material now appears on 1st Revised Sheet 28.3 of this Tariff.

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By Connie Browning, President, Cleveland, Ohio

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PART 15 - Dedicated Communications Services
SECTION 1 - General

1st Revised Sheet No. 29.1
Cancels
Original Sheet No. 29.1

R. TERM PAYMENT PLANS (cont'd)

Termination Charges (cont'd)

3. (cont'd)

- Service discontinued in the 12th through 60th month

The dollar difference between the current TPP price for the TPP term that could have been completed during the time the service was actually in service and the customer's current TPP price for each month the service was provided.

Example:

A customer subscribed to a 60-month TPP term and disconnected service during the 37th month. This customer's termination charge would be:

$$(36\text{-month TPP price} - 60\text{-month TPP price}) \times 37 = \text{Termination Charge}$$

The 36-month TPP term could have been completed during the months the service was actually in service.

All recurring price termination charges will be based on the TPP prices in effect at the time of termination.

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/1/

/1/ Material also appears on Original Sheet 64 through Original Sheet 76 in Part 20, Section 15 of this Tariff.

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 1 - General

2nd Revised Sheet No. 29.2
Cancels
1st Revised Sheet No. 29.2

R. TERM PAYMENT PLANS (cont'd)

Termination Charges (cont'd)

4. For OC-n Dedicated Ring Service purchased prior to October 20, 2000, (T)
Termination Charges will apply for the Node only as described below
by paying a percentage of the monthly charges for the remainder of
the term as indicated below:

Terms in Months	Termination Percentage
36	75%
60	60%

Effective October 20, 2000, Termination Charges for new OC-n (T)
Dedicated Ring Service customers shall not exceed:

All waived and/or unpaid nonrecurring charges, plus;

50% of all recurring charges for the balance of the customer's
term.

All recurring price termination charges will be based on the TPP
prices in effect at the time of termination.

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 1 - General

1st Revised Sheet No. 29.3
Cancels
Original Sheet No. 29.3

R. TERM PAYMENT PLANS (cont'd)

Termination Charges (cont'd)

5. Termination Charges for ProtectPath Service are determined as (T)
follows:

- For a 36-month Term Payment Plan (TPP) terminated prior to the 36th month, the customer shall be liable for payment of the monthly charges for the remaining months of the TPP.
- For a 60-month TPP terminated prior to the 36th month, the customers termination liability will be computed as follows:

The dollar difference between the 36-month TPP price and the 60-month TPP price times the number of months that the service was actually in service, plus, 36 minus the number of months the service was actually in service times the 36-month price.

Example:

A customer subscribed to a 60-month TPP term and disconnected service during the 21st month. This customer's termination charge would be:

$$((36\text{-month TPP price} - 60\text{-month TPP price}) \times 21 \text{ months}) + ((36 - 21 \text{ months}) \times 36\text{-month TPP price}) = \text{Termination Charge}$$

All recurring price termination charges will be based on the TPP prices in effect at the time of termination.

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By Connie Browning, President, Cleveland, Ohio

R. TERM PAYMENT PLANS (cont'd)

(C)/1/

Termination Charges (cont'd)

5. (cont'd)

- For a 60-month TPP terminated after the 36th month, the customers termination liability will be computed as follows:

The dollar difference between the 36-month TPP price and the 60-month TPP price times the number of months the service was actually in service.

Example:

A customer subscribed to a 60-month TPP term and disconnected service during the 41st month. This customer's termination charge would be:

$$(36\text{-month TPP price} - 60\text{-month TPP price}) \times 41 = \text{Termination Charge}$$

All recurring price termination charges will be based on the TPP prices in effect at the time of termination.

(C)/1/

/1/ Material formerly appeared on 2nd Revised Sheet No. 28.1 and 4th Revised Sheet No. 29 in this Section.

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By J. F. Woods, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 1 - General

3rd Revised Sheet No. 29.5
Cancels
2nd Revised Sheet No. 29.5

R. TERM PAYMENT PLANS (cont'd)

Termination Charges (cont'd)

6. Termination charges for Fiber Distributed Data Interface (FDDI) (T)
Service and LAN Interconnect Service (ALIS) will be calculated as (T)
follows:

- Service discontinued in first through 35th month

$$((40\% \times 36\text{-month TPP price}) \times (36 - \text{number of months in service})) + ((36\text{-month TPP price} - \text{subscribed to TPP price}) \times \text{number of months in service}) = \text{Termination Charge}$$

Example:

A customer subscribed to a 60-month TPP term and disconnected service at the end of the fifth month. This customer's termination charge would be:

$$((40\% \times 36\text{-month TPP price}) \times (36 - 5 \text{ months})) + ((36\text{-month TPP price} - 60\text{-month TPP price}) \times 5 \text{ months}) = \text{Termination Charge}$$

All recurring price termination charges will be based on the TPP prices in effect at the time of termination.

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By Connie Browning, President, Cleveland, Ohio

R. TERM PAYMENT PLANS (cont'd)

Termination Charges (cont'd)

6. (cont'd)

- Service discontinued in the 36th through 84th month

The dollar difference between the current TPP price for the TPP term that could have been completed during the time the service was actually in service and the customer's current TPP price for each month the service was provided.

Example:

A customer subscribed to a 60-month TPP term and disconnected service during the 37th month. This customer's termination charge would be:

$$(36\text{-month TPP price} - 60\text{-month TPP price}) \times 37 = \text{Termination Charge} \quad (T)$$

The 36-month TPP term could have been completed during the months the service was actually in service.

All recurring price termination charges will be based on the TPP prices in effect at the time of termination.

Commission approval of the above termination liability languages not intended to indicate that the Commission has sanctioned any particular legal result should a dispute arise between the parties. In the event of dispute, signatories to such contracts may pursue whatever legal remedies they deem appropriate to resolve the dispute.

PART 15 - Dedicated Telecommunications Services
SECTION 1 - General

5th Revised Sheet 29.7
Cancels 4th Revised Sheet 29.7

R. TERM PAYMENT PLANS (cont'd)

Termination Charges (cont'd)

7. In addition to any special construction liabilities, customer termination liability for cancellation of a Multi-service Optical Network Ring (MON Ring) Service, GigaMAN[®] Service and FibreMAN[®] Service shall be equal to: (D)

- All waived and/or unpaid nonrecurring charges; plus
- Fifty (50) percent of all recurring charges for the balance of the customer's term.

Commission approval of the above termination liability language is not intended to indicate that the Commission has sanctioned any particular legal result should a dispute arise between the parties. In the event of dispute, signators to such contracts may pursue whatever legal remedies they deem appropriate to resolve the dispute.

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In accordance with an Order issued by the Public Utilities Commission of Ohio, dated January 6, 2003, Case No. 02-3069-TP-ALT.

By Connie Browning, President, Cleveland, Ohio

TFA No. OH-07-17751

PART 15 - Dedicated Communications Services
SECTION 1 - General

1st Revised Sheet No. 30
Cancels
Original Sheet No. 30

R. TERM PAYMENT PLANS (SINGLE PAYMENT OPTION (SPO))

The customer may, at any time under a Term Payment Plan (TPP), elect to prepay all of the remaining monthly payments in a single payment. The prepayment in no way constitutes a purchase and the Company retains full ownership of all equipment and facilities covered by the prepayment.

The following conditions apply:

1. Customers who prepay will have an allowance applied. The prepayment allowance is calculated based upon the number of monthly payments remaining (excluding any taxes) using the loan amortization method at an annual percentage rate of 9.9% for a 12 month TPP, of 10.30% for a 36 month TPP, or 10.90% for a 60 month TPP. Once the amount is calculated, all applicable taxes are applied.
2. Customers may extend the length of their current Term Payment Plan. A new allowance will be calculated utilizing the method described above for the new Term Payment Plan selected. A credit for any unused portion of the previously prepaid allowance will be credited to their bill.
3. Once a customer elects to prepay, the prepayment amount is not adjusted for Company initiated price changes that occur during the period for which the customer has prepaid.
4. Customers who prematurely disconnect will have Termination Charges deducted from the prepaid amount and any balance credited to their bill.
5. Monthly recurring charges will cease for the remainder of the Term Payment Plan period. If the service is not disconnected at the end of the Term Payment Plan, the prices will revert to the monthly price currently in effect, or if no monthly or monthly extension price exists, the TPP price for the shortest contract length period applies.
6. Customer's selection of the prepayment option does not alter any other conditions of the service contract.

Material formerly appeared in Part 15, Section 1, Sheet Nos. 1-31.

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By J. F. Woods, President, Cleveland, Ohio

S. CREDIT ALLOWANCES

1. Installation of Service

A failure to meet the installation interval service date, as specified in Ameritech Interval Guide Publication AM TR-MKT-000066, will result in a customer credit of the nonrecurring charges (consisting of Administrative Charge, Design and Central Office Connection Charge and Customer Connection Charge only) billed to the customer for that service, where the responsibility for the failure is solely that of the Company.

This guarantee does not apply to any installation involving the following circumstances:

- The customer requests expedited orders.
- Other Telephone Companies are involved in the service installation.
- The customer's premises is inaccessible.
- The customer changes interface requirements.
- The customer is not ready to accept service.
- Building facilities are not ready (includes space, cable support structures, building risers and entrance facilities to be provided by builder or owner or owner's subcontracted vendors).
- The customer orders termination beyond the Network Interface.

2. Interruption of Service

A credit allowance will be given for interruptions of service when the outage consists of 30 consecutive minutes, or more, from the time that the Company is notified, or the outage is discovered by the Company, whichever is earlier.

For credit allowance calculation purposes, each month is considered to have 1,440 half hours (30 days). Major fractions of the last additional half hour, consecutive with each first half hour, or more, of outage, is considered a full half hour.

In any month, as a result of an interruption, the total credit per element of the interrupted service may not exceed 100 percent of the monthly price for that particular element.

(N)

(N)

(N)

/1/

/1/ Material now appears on Original Sheet No. 31.1 in this Section.

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By J. F. Woods, President, Cleveland, Ohio

S. CREDIT ALLOWANCES (cont'd)

2. Interruption of Service (cont'd)

(N)

Performance parameters can be found in Ameritech Technical Reference
AM TR-TMO-000101.

(N)

(N)

Credit allowances are subject to the general liability provisions
set forth previously in this tariff. In addition, no credit
allowance will be made for:

/1/

1. Interruption caused by negligence of the customer, failure of
equipment, systems or facilities provided by the customer or
others.
2. Interruption of a service during any period in which Company
access to the premises (where the service is terminated) is
required and is denied.
3. Interruption of a service when the customer has released that
service to the Company for routine maintenance purposes, to make
rearrangements, or for the implementation of an order for a
change in the service during the time that was negotiated with
the customer prior to the release of the service.
4. Interruption of a service which continues because of the failure
of the customer to authorize replacement of any element of
special construction. The period for which no credit allowance
is made begins on the seventh day after the customer receives the
Company's written notification of the need for such replacement
and ends on the day after receipt by the Company of the
customer's written authorization for such replacement.

/1/

/1/ Material formerly appeared on 1st Revised Sheet No. 31 in this Section.

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By J. F. Woods, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 1 - General

Original Sheet No. 32

S. CREDIT ALLOWANCES (cont'd)

The following steps should be used to calculate a credit allowance:

STEP 1

The interruption percentage is the proportion of the consecutive half hours of each outage, based on the preceding rules, to 1440 half hours.

STEP 2

- For two-point services, determine all of the monthly price elements associated with the service, excluding charges for all equipment that may be optionally provided by the Company, the customer or another provider (i.e. - Channel Service Units).
- For multi-point services, determine all of the price elements associated with those points affected by the outage, excluding charges for all equipment that may be optionally provided by the Company, the customer or another provided (i.e. - Channel Service Units). If common equipment or services do not permit a determination of affected points, an average station point value will be calculated by dividing the total monthly charge for all of the elements utilized to provide the service by the total number of stations on the service, then multiplying the average station value by the number of stations affected by the outage.
- For multiplexed services, determine all the monthly element charges associated with the portion of the service that is inoperative.

STEP 3

The Credit Allowance is calculated by multiplying the amount determined in Step 2 above by the percentage calculated in Step 1 above.

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PART 15 - Dedicated Communications Services
SECTION 1 - General

Original Sheet No. 33

T. DEFINITIONS

Accessories

Devices which are mechanically attached to, or used with, the facilities furnished by the Company and which are independent of, and not electrically, acoustically, or inductively connected to, the conductors in the communications path of the Company facilities. These devices may not replace any of the component parts of the Company facilities or equipment, nor be injurious to the telecommunications network.

Authorized User

Denotes an individual, partnership, association or corporation (other than the customer) who is authorized by the customer to be connected to the service of the customer and on whose premises a station of the dedicated communications service must be located.

Baud

Denotes a unit of signaling speed. It is the reciprocal of the time duration in seconds of the shortest signal element (mark or space) within a code signal. The speed in bauds is the number of signal elements per second.

Channel

A path for electrical communication, between two or more stations or Company offices furnished in such manner as the Company may elect, whether by wire, radio or a combination thereof and whether or not by means of a single physical facility or route.

(T)

(T)

Material formerly appeared in Part 15, Section 1, Sheet Nos. 1-31.

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PART 15 - Dedicated Communications Services
SECTION 1 - General

Original Sheet No. 34

T. DEFINITIONS (cont'd)

Channel Mileage

Provides for the transmission facilities between the serving wire centers associated with two customer designated premises, or between a serving wire center associated with a customer designated premises and a Company hub, or between two Company hubs.

Channel Mileage Termination

Provides for the termination of 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.

Dedicated Communications Service

Dedicated Communications Service is that of furnishing the requisite facilities including channels and network terminating equipment, to enable the customer and authorized users to communicate between specified locations for continuous use.

(T)

(T)

Material formerly appeared in Part 15, Section 1, Sheet Nos. 1-31.

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By J. F. Woods, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 1 - General

2nd Revised Sheet No. 35
Cancels
1st Revised Sheet No. 35

T. DEFINITIONS (cont'd)

Distributing Center

Amplifying and bridging equipment employed to connect the various local sections of a multi-point loud speaker network.

Duplex Service

Also known as **Full Duplex Service**. Service which provides for simultaneous transmission in both directions.

Equalization

The term "Equalization" as used in connection with program transmission channels refers to the process applied to a program transmission channel so that the component frequencies of the program material transmitted have about the same relationship at the two ends of the channel.

Four-Wire

The term "Four-wire" describes a facility comprised of four wires used to form an electrical path between terminations. Four-wire facilities may be arranged for half-duplex or duplex operation.

Full Duplex Service

See **Duplex Service** above.

Half-Duplex Service

The arrangement of a channel which provides for transmission alternately in either direction or for transmission in one direction only, but not for transmission in both directions simultaneously.

Interexchange Channel

The term "Interexchange Channel" as used in conjunction with interexchange private line service denotes that portion of a through channel which connects exchange areas in which stations or channel terminations in Company offices are located, excluding, however, those portions which are defined as a "Local Channel" or an "interoffice Channel". (T)

Interface

The point at which facilities or services of one type are connected with facilities or services of another type.

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By Connie Browning, President, Cleveland, Ohio

T. DEFINITIONS (cont'd)

Interoffice Channel

The term "Interoffice Channel" as used in connection with private line service denotes that portion of a through channel which interconnects central office areas in which stations are located.

(T)

(T)

Interoffice Transport

Interoffice Transport facilities, comprised of Channel Mileage and Channel Mileage Terminations, provide the transmission paths between Serving Wire Centers associated with two customer-designated premises or between a Serving Wire Center associated with a customer-designated premises and a Company hub location.

Isochronous Transmission

"Isochronous Transmission" denotes that timing is recurring at regular intervals and is derived from the signal carrying the data at the rate of 1.544 Megabits per second (i.e., no timing or clock lead is provided at the customer interface).

Joint User

A person, firm or corporation who is designated by the customer as a user of a dedicated communications service of the customer and to whom a portion of the charge for the service will be billed under a joint use arrangement.

Local Channel

"Local Channel" as used in connection with private line services is that portion of a through channel which is provided within a central office area to connect a station with an interexchange channel, an interoffice channel, or another local channel serving a station within the same central office area.

(T)

"Local Channel" as used in connection with private line High Capacity Transport Service denotes a path for isochronous transmission furnished between the customer's premises and the serving central office.

(T)

/1/

/1/ Material now appears on Original Sheet No. 36.1 in this Section.

September 29, 1997

September 29, 1997

In accordance with Case No. 97-934-TP-ATA, issued August 28, 1997.

By J. F. Woods, President, Cleveland, Ohio

T. DEFINITIONS (cont'd)

Local Distribution Channel

Provides interconnection between the Company Serving Wire Center (SWC) and the customer premises.

Local Service Area Private Line Service

A "Local Service Area Private Line Service" is a service which connects two or more station locations within an exchange area, or connects two or more such locations in Company exchange areas each of which is in the local service area of the other or others, and is not connected to an interexchange service. (T)

Non Loaded Circuit

A circuit without regularly spaced inductors which are normally provided to control frequency loss. These circuits are suitable for limited distance data transmission.

Service Area Function

A "Service Area Function" includes those necessary items which are added to the basic loop to provide the type of service involved (e.g., voice, data, etc.). It consists of circuit terminating equipment, equalizers, amplifiers, etc., wherever required to provide the designated service.

Service Terminal

"Service Terminal" used in connection with Series 1000, 2000 and 3000 channels includes the facilities required to terminate an interexchange channel at the rate center.

Serving Wire Center

The wire center from which a customer or user would normally be served for local exchange telecommunications service.

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PART 15 - Dedicated Communications Services
SECTION 1 - General

Original Sheet No. 37

T. DEFINITIONS (cont'd)

Signal Source

The term "Signal Source" when used in connection with channels for television transmission denotes a location at which video and audio baseband signals are supplied to a local distribution system.

Synchronous

A data transmission method where sending and receiving devices operate continuously in step with each other and are maintained by means of correction if necessary, in a desired timing.

Synchronous Optical Network (SONET)

A set of international standards for fiber optic based transmission systems. SONET defines standard optical carrier transmission rates and utilizes a modular multiplexing approach based on the application of Synchronous Transport Signals (STS).

Synchronous Transport Signal (STS-1)

A 51.84 Mbps signal within a SONET optical carrier signal. The STS-1 signal consists of overhead and synchronous payload envelope (SPE). The overhead part of the signal is used for controlling, framing and maintaining the signal. The SPE is used to transport the customer's data.

Two-Wire

"Two-wire" describes a facility comprised of two wires used to form an electrical path between terminations.

Wire Center

A building in which one or more central offices, used for the provision of telephone exchange services, are located.

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(T)

Material formerly appeared in Part 15, Section 1, Sheet Nos. 1-31.

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THE OHIO BELL
TELEPHONE COMPANY

Ameritech

Tariff

P.U.C.O. NO. 20

PART 15 SECTION 1

PART 15 - Dedicated Communications Services
SECTION 1 - General

1st Revised Sheet No. 38
Cancels
Original Sheet No. 38

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Issued: May 26, 2000

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In accordance with Opinion and Order in Case No. 93-487-TP-ALT, issued by
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By J. F. Woods, President, Cleveland, Ohio

THE OHIO BELL
TELEPHONE COMPANY

SBC
Tariff

P.U.C.O. NO. 20

PART 15	SECTION 1
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PART 15 - Dedicated Communications Services
SECTION 1 - General

2nd Revised Sheet No. 39
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1st Revised Sheet No. 39

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THE OHIO BELL
TELEPHONE COMPANY

SBC
Tariff

P.U.C.O. NO. 20
PART 15 SECTION 1

PART 15 - Dedicated Communications Services
SECTION 1 - General

1st Revised Sheet No. 40
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Original Sheet No. 40

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PART 15 - Dedicated Communications Services
SECTION 1 - General

Original Sheet No. 41

W. CHARGES FOR INSTALLATIONS, MOVES AND CHANGES

1. General Terms and Conditions

- The application of charges for installations, moves and changes of private line channels and equipment is covered below. The elements of charge, other than nonrecurring charges, included in such paragraphs are further defined in Part 3, Section 1 of this tariff.
- All changes in location of private line services which involve non-continuous property locations are considered new installations for purpose of charge applications.
- When an existing two point service involving non-continuous property is converted to a multipoint service, credit is allowed for charges paid in connection with the two point service. When an existing multipoint service is converted to a two point service, no charges apply.

(T)

(T)

Material formerly appeared in Part 15, Section 1, Sheet Nos. 1-31.

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By J. F. Woods, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 1 - General

Original Sheet No. 42

W. CHARGES FOR INSTALLATIONS, MOVES AND CHANGES (cont'd)

2. **Application of Charges**

Service and Equipment (S&E) Charge

The S&E charge applies per local channel, i.e., channel furnished between a service (continuous property) location and the central office serving such locations, where central office work is required to comply with the customer's request.

The S&E charges associated with private line local channels are as follows:

Local Service Area (LSA) Channels

The following charges are applicable to channels provided in those central office areas that are not designated in **DETARIFFED SERVICES - Central Office Areas in Competitive Markets:**

Description	S&E Charge	
	All Terminations in Same CO Area	Terminations in Different CO Areas
Type 1001	\$ 93.45	\$ 110.75
Type 1002A, 1002AA, 1002B, 1002C, 1005, 1006, 1102	189.20	222.65
Type 2001, 2002, 2013, 2014, 2020, 2021, 2024, 2025, 2026	189.20	222.65
Type 3001, 3002, 3040, 3041, 3080, 3081, 3083	189.20	222.65
Type 6003	189.20	222.65

Material formerly appeared in Part 15, Section 1, Sheet Nos. 1-31.

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W. CHARGES FOR INSTALLATIONS, MOVES AND CHANGES (cont'd)

2. Application of Charges (cont'd)

Service and Equipment (S&E) Charge (cont'd)

Local Service Area (LSA) Channels (cont'd)

The following charges are applicable to channels provided in those central office areas that are designated in **DETARIFFED SERVICES - Central Office Areas in Competitive Markets:**

Description	S&E Charge		
	All Terminations in Same CO Area	Terminations in Different CO Areas	
Type 1002B, 1002C, 1005, 1006, 1102	\$ 189.20	\$ 222.65	(C)
Type 2001, 2002, 2013, 2014, 2020, 2021, 2024, 2025, 2026	189.20	222.65	(C)
Type 3002, 3040, 3041, 3080, 3081, 3083	189.20	222.65	(C)
Type 6003	189.20	222.65	(C)

/1/ Also cancels Original Pricing List Sheet No. 43 in this Section.

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PART 15 - Dedicated Communications Services
SECTION 1 - General

Original Sheet No. 44

W. CHARGES FOR INSTALLATIONS, MOVES AND CHANGES (cont'd)

2. Application of Charges (cont'd)

Service and Equipment (S&E) Charge (cont'd)

Interexchange Channels

The following charges are applicable to channels provided in those central office areas that are not designated in **DETARIFFED SERVICES - Central Office Areas in Competitive Markets:**

		S&E Charge
Description		
Type 1001		\$ 185.75
Type 1002A, 1002AA, 1002B, 1002C, 1005, 1006, 1102		282.65
Type 2001, 2002, 2013, 2014, 2020, 2021, 2024, 2025, 2026		282.65
Type 3001, 3002, 3040, 3041, 3080, 3081, 3083		282.65
Type 6003		282.65

Material formerly appeared in Part 15, Section 1, Sheet Nos. 1-31.

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W. CHARGES FOR INSTALLATIONS, MOVES AND CHANGES (cont'd)

2. **Application of Charges (cont'd)**

Service and Equipment (S&E) Charge (cont'd)

Interexchange Channels (cont'd)

The following charges are applicable to channels provided in those central office areas that are designated in **DETARIFFED SERVICES - Central Office Areas in Competitive Markets:**

(C)

(C)

S&E Charge

(D)

Description

Type 1002B, 1002C, 1005, 1006, 1102	\$ 282.65	(C)
Type 2001, 2002, 2013, 2014, 2020, 2021, 2024, 2025, 2026	282.65	(C)
Type 3002, 3040, 3041, 3080, 3081, 3083	282.65	(C)
Type 6003	282.65	(C)

/1/ Also cancels Original Pricing List Sheet No. 45 in this Section.

Issued: May 26, 2000

Effective: May 27, 2000

In accordance with Opinion and Order in Case No. 93-487-TP-ALT, issued by The Public Utilities Commission of Ohio, dated April 27, 2000.

By J. F. Woods, President, Cleveland, Ohio

W. CHARGES FOR INSTALLATIONS, MOVES AND CHANGES (cont'd)

2. Application of Charges (cont'd)

Service and Equipment (S&E) Charge (cont'd)

High Capacity Transport Service

The S&E Charges associated with private line High Capacity Transport Service are as follows:

		<div>S&E Charge</div>	(D)
<u>Description</u>			
Local Channel	\$ 93.75		(C)
Additional Channel	28.90		
Interoffice	118.40		
Channelization			
- Initial	38.10		
- Subsequent to the initial order	81.95		(C)

/1/ Also cancels Original Pricing List Sheet No. 46 in this Section.

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By J. F. Woods, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 1 - General

Original Sheet No. 47

W. CHARGES FOR INSTALLATIONS, MOVES AND CHANGES (cont'd)

2. Application of Charges (cont'd)

Network Wiring Charge^{/1/}

The Network Wiring Charge as specified in Part 3, Section 1 of this tariff applies to all customer requested installations, moves, changes of private line channels performed by the Company on the network side of the network interface.

Interface Jacks

See Part 3, Section 1 of this tariff.

3. Application of Nonrecurring Charges (NRC)

Certain items of service and equipment (other than telephones) included in Part 15, Section 3 (Channels) are subject to nonrecurring charges which apply, in addition to the S&E Charges specified above for installations, moves and changes of the associated private line channel.

/1/ Installations, moves and changes of private line channels performed after January 1, 1987 by the Company on the customer's side of the network interface will be performed on a non-regulated Premises Work and Material charges basis.

Material formerly appeared in Part 15, Section 1, Sheet Nos. 1-31.

Issued: December 19, 1996

Effective: December 19, 1996

In accordance with Case No. 96-1230-TP-ATA, issued November 18, 1996.

By J. F. Woods, President, Cleveland, Ohio

(T)

(T)

X. RATE ZONE WIRE CENTER ASSIGNMENT

Each Company wire center has been assigned to a Rate Zone. This table lists wire centers assigned to Rate Zones 1 and 2. All other Company wire centers are assigned to Zone 3.

<u>Zone 1</u>	<u>Zone 2</u>
AKRNOH25	BCWDOH46
CLEVOH62	BKPKOH26
CLMBOH11	BKPKOH97
DYTNOH22	CLEVOH25
	CLEVOH42
	CLEVOH43
	CLEVOH53
	CLEVOH64
	CLEVOH74
	CLHGOH32
	CLMBOH27
	CLMBOH29
	DYTNOH25
	LKWDOH52
	MPHGOH66
	SHHGOH92
	TOLDOH21
	WOTNOH88

(N)

(N)

Issued: February 28, 2000

Effective: February 28, 2000

In accordance with Case No. 00-173-TP-ATA, issued January 27, 2000.

By J. F. Woods, President, Cleveland, Ohio

Y. EXPEDITED ORDER CHARGE

The following services can be Expedited for an additional Order Charge:

Analog Channel Services Series 1000, 2000, 3000 and 6000	(T)
Base Rate Service	
128, 256 and 384 Service	
DS1 Service	(T)

If a customer desires that service be provided on a due date less than the standard interval (7-10 days), which has been established for the order or the provision of the Service, the customer may request that service be provided on an expedited basis.

The provisioning of the expedited request is based upon available facilities and is limited to twelve (12) two-point or six (6) multi-point Analog/DS0 circuits at the same location; and a limit of four (4) DS1 Circuits at the same location. Expedited order requests do not apply to services that are jointly provided by the Company and an Independent Telephone Company (T)

If the Company determines that service can be provided on the requested expedited date and spare facilities are available, the following charges will apply: (T)

Description/Billing Code	Expedite Order Charge	
Analog Channel Services and Base Rate Service /EODDO/	\$650.00	(T)
DS1, 128K, 256K, and 384K Service /EODD1/	650.00	(T)

Issued: March 25, 2004

Effective: March 25, 2004

In accordance with an Order issued by the Public Utilities Commission of Ohio, dated January 6, 2003, Case No. 02-3069-TP-ALT.

By Connie Browning, President, Cleveland, Ohio

PART 15 – SECTION 1

EXHIBIT B

PART 15 - Dedicated Telecommunications Services
SECTION 1 - General

Original Sheet A

Material now located in the AT&T Ohio Guidebook, Part 15, Section 1.

(N)

Issued: April 1, 2008

Effective: April 1, 2008

In accordance with an Order issued by the Public Utilities Commission of Ohio, dated June 6, 2007,
Case No. 06-1345-TP-ORD.

By Connie Browning, President, Cleveland, Ohio

TFA No. OH-08-18005

PART 15 – SECTION 2

EXHIBIT A

1. CHANNELS

1.1 General

1.1.1 Classification of Channels

Analog Channels

Facilities consisting of channels, channel terminals and channel arrangements are classified by series and further classified within each series by types. The various series and types are described in terms of circuit characteristics and use.

Digital Channels

Facilities consisting of channels employing isochronous transmission at a speed of 1.544 Mbps.

Facilities consisting of channel terminations employing synchronous speeds of 2.4, 4.8, 9.6 and 56 Kilobits (Kbps) per second.

1.1.2 Mileage Measurement

A. Mileage for Series 6000 channels is determined as set forth in 1.2.6.

B. Mileage for a Type 1002AA channel is determined as set forth in 1.2.4.D.

C. Interexchange Channel

The interexchange mileage for Series 1000, 2000 and 3000 channels is determined as follows:

1. Two Point Service

The rate mileage is the airline distance between the rate centers of the service points determined in accordance with the Mileage Calculation Using V & H Coordinates procedure set forth in Part 15, Section 1. Rate center V & H coordinates are contained in Part 9, Section 2.

(N)
(T) |
(N)

/1/

/1/ Material now appears on Original Sheet No. 1.1 in this Section.

October 27, 1997

October 27, 1997

In accordance with Case No. 97-1142-TP-ATA, issued September 25, 1997.

By J. F. Woods, President, Cleveland, Ohio

1. CHANNELS (cont'd)

/1/

1.1 General (cont'd)

1.1.2 Mileage Measurement (cont'd)

C. Interexchange Channel (cont'd)

2. Multipoint Service

- a. For connection of customer-provided terminal equipment or communications systems, the rate mileage is the combination, specified by the customer, of two point mileages determined in the same manner as for two point services.

- b. All others

The rate mileage is the sum of two point mileages determined in the same manner as for two point services using the shortest continuous airline measurement connecting the rate centers.

- 3. Each interexchange channel connected to a switching arrangement is considered as a separate channel for which the interexchange mileage is independently computed.

/1/

/1/ Material formerly appeared on 1st Revised Sheet No. 1 in this Section.

October 27, 1997

October 27, 1997

In accordance with Case No. 97-1142-TP-ATA, issued September 25, 1997.

By J. F. Woods, President, Cleveland, Ohio

1. CHANNELS (cont'd)

1.1 General (cont'd)

1.1.2 Mileage Measurement (cont'd)

D. Interoffice Channels - Series 1000, 2000 and 3000

1. The interoffice rate mileage is the airline distance between central offices (wire centers) of the service points determined in accordance with the Mileage Calculation Using V & H Coordinates procedure set forth in Part 15, Section 1. Central office/wire center V & H coordinates are set forth in the National Exchange Carrier Association (NECA) Tariff FCC No. 4.
2. Where service points are located in more than two central office areas, the interoffice rate mileage is the sum of the two point interoffice rate mileages using the shortest continuous airline measurement connecting the central offices.

(T) (N)
|
(N)

E. Local Channels - Series 1000, 2000 and 3000

1. For a local channel, a local channel charge applies in lieu of mileage, except as set forth in 2 following, and such charge is set forth in 1.2.4.B following.
2. For a local channel associated with an interexchange channel for a Type 1002AA channel, mileage is determined as set forth in 1.2.4.D.

F. Local Channel - High Capacity Transport Service

Local Channel Mileage is the airline distance between the customer's premises and the serving central office.

G. Interoffice Channel - High Capacity Transport Service

Interoffice Channel Mileage is the airline distance between central offices.

H. Channel Mileage - Basic Digital Service

Channel mileage is the airline distance between central offices.

I. Channel Mileage - Direct Digital Service

Channel mileage is the airline distance from the DDS hub to the serving central office.

October 27, 1997

October 27, 1997

In accordance with Case No. 97-1142-TP-ATA, issued September 25, 1997.

By J. F. Woods, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

1st Revised Sheet No. 3
Cancels
Original Sheet No. 3

1. CHANNELS (Cont'd)

1.1 General (Cont'd)

1.1.3 Continuous property locations

- A. Buildings located on separate plots of ground and occupied by various customers shall be treated as being on continuous property, when such plots are situated so as to constitute continuous property were they occupied by a single customer. In such cases, conduit shall be provided and maintained in its entirety between buildings by the customer or another person, such as a building owner, contractor, etc.
- B. Whenever the Company's general distributing plant is used by the customer to connect terminations or stations within a building or on the same continuous property the stations or terminations are considered to be on non-continuous property for purposes of rate and charge applications. (T)

1.1.4 Joint Use Arrangement

- A. Joint use arrangements are offered in connection with private line services furnished on a twenty-four hour per day, seven day per week basis for private line voice, teletypewriter, data transmission or remote metering, supervisory control and miscellaneous signaling purposes under the provisions of 1.2.1 through 1.2.4 for

1. Series 1000 channels and equipment (except Type 1002AA)
2. Series 2000 channels and equipment
3. Series 3000 channels and equipment

Joint use arrangements are not offered in connection with such private line services when those services are furnished for use in connection with composite data service.

- B. A joint user of a private line service must have a local channel and station on such service located on his premises, except that such requirement does not apply to a joint user of private line service with respect to his use of additional channels created by the customer from the private line in accordance with 2.2.5.B, provided such joint user has a station on a channel connected under the provisions of Part 2, Section 9 of this tariff to the additional channel created by the customer.
- C. The customer shall be solely responsible for the manner in which the joint use of the service will be allocated. Applications for service and requests involving additions, rearrangements, relocations, modifications or discontinuance of service will be accepted by the Company only from the customer. (T)

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

1st Revised Sheet No. 4
Cancels
Original Sheet No. 4

1. CHANNELS (Cont'd)

1.1 General (Cont'd)

1.1.4 Joint Use Arrangement (Cont'd)

- D. Where a customer requests that his service be arranged for joint use, the rates and charges for such service shall be determined as provided in this tariff and, in addition, the following monthly rates will apply:

	<u>Monthly Rate</u>	<u>USOC</u>
1. Each service arranged for joint use, per joint user	\$16.75	JNP
2. Each local channel used to meet the communications requirements of a joint user	22.20	JNS

- E. All charges for the service, including the additional charges for the joint use arrangement and for local channels furnished for the joint users as part of the private line service, will be computed as though the service were to be billed to the customer. The customer and each joint user will be billed for the components of the service which are furnished exclusively to each of them for his individual use. The charges for components of the service which are jointly used will be allocated for billing purposes in accordance with percentages of use specified by the customer. The specified percentages shall remain in effect for a minimum of one month and such percentages on file on the first day of the customer's billing cycle will be used in computing that month's billing. Without affecting the customer's ultimate responsibility for payment of all charges for the service, each joint user shall be responsible for the payment of the charges billed to him in accordance with this sub-paragraph.

1.1.5 Customer Operating Center Service

A. Description of Service

1. Customers who utilize large quantities of channels between their premises and their normal serving central office (i.e., local channels) in connection with burglar alarm channels which terminate at such customer's premises may optionally subscribe to Customer Operating Center (COC) Service. COC Service is an arrangement under which the Company will provide dedicated complements of cable pairs between the customer's premises and the normal serving central office, and will charge for such dedicated complements of cable pairs under the provisions of Paragraph 1.1.5.B.1 and 2 in lieu of local loop charges in Paragraph 1.2.4 of this tariff. In addition, the COC customer will be billed for the appropriate Service Area Function and S&E charges as specified in B.3 following for each local channel activated. (T)

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

1st Revised Sheet No. 5
Cancels
Original Sheet No. 5

1. CHANNELS (Cont'd)

1.1 General (Cont'd)

1.1.5 Customer Operating Center Service (Cont'd)

A. Description of Service (Cont'd)

2. The customer of COC Service will also be billed for all patron's lines connected through the COC which includes local channels and interoffice mileage, where applicable, between the patron's premises and their normal serving central office at the rates specified in Paragraph 1.1.5.B.4 of this tariff.
3. The rates and charges in B.2 following for each complement of cable pairs are based on the specific quantity, size and length of cable dedicated to the customer's use.
 - a. At the time COC Service is initially requested, the customer is responsible for furnishing to the Company an estimate of the number of dedicated cable pairs which will be required. The rates specified in B. following apply for each dedicated cable pair, whether activated or not. (T)
 - b. Complements are available in 100, 200, 300, 600, 900 or 1200 pair sizes.
 - c. Length is measured in one quarter mile increments from the customer's premises to the normal serving central office. The maximum length which will be furnished under the provisions of 1.1.5. is one mile.
 - d. Type 1001, 1102, 3001, 3002 and 3041 local channels may be activated for COC Service.
4. Provided no physical modification of circuits is required for existing burglar alarm customers that convert to COC Service, the S&E charge to convert to COC Service as specified in Section 1 preceding will be waived.

B. Rates and Charges

	Nonrecurring Charge
1. To establish and to convert to or from COC Service	\$56.00

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

1st Revised Sheet No. 6
Cancels
Original Sheet No. 6

1. CHANNELS (Cont'd)

1.1 General (Cont'd)

1.1.5 Customer Operating Center Service (Cont'd)

B. Rates and Charges (Cont'd)

2. Each dedicated complement of cable pairs

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>USOC</u>
(a) Within 1/4 mile			
100 pair cable	\$ 470.00	\$ 4,718.00	1LZ1A
200 pair cable	611.00	6,121.00	1LZ2A

(b)

(c)

(d)

(D)

(D)

Issued: November 8, 1996

Effective: November 11, 1996

In accordance with Case No. 96-669-TP-ATA, issued July 11, 1996.

By J. F. Woods, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

Original Sheet No. 7

1. CHANNELS (Cont'd)

1.1 General (Cont'd)

1.1.5 Customer Operating Center Service (Cont'd)

B. Rates and Charges (Cont'd)

3. In addition to the rates and charges in 1 and 2 preceding, the following rates and charges apply to activate each local channel within the dedicated complement of cable pairs from the normal serving central office to the customer's premises:

a. The monthly rate as specified in Paragraph 1.2.4.A following for the appropriate Service Area Function.

4. In addition to the rates for the appropriate dedicated complements of cable pairs as covered in 1, 2 and 3 preceding, the following rates and charges apply to activate each local channel from the normal serving central office to the patron's premises:

a. The S&E charges specified in Section 1 preceding.

b. The monthly rates specified in Paragraph 1.2.4.A following for the local loop and the appropriate Service Area Function and the interoffice mileage, if applicable.

1.2 Classification and Rates

1.2.1 Series 1000 Channels

A. Types and Description

Series 1000 channels are unconditioned channels capable of transmitting signals at rates up to 150 bauds. These channels are furnished for half-duplex or duplex operation. Duplex service is furnished on an entire channel, or on a portion thereof, where facility conditions permit.

The transmission characteristics and the various types of services furnished within this series are as follows:

1. Type 1001 - Transmission of frequencies of up to 15 Hertz or impulses per second for remote metering, supervisory control and miscellaneous signaling purposes.

2. Type 1102 - Transmission up to 30 baud, for remote metering, supervisory control, and miscellaneous signaling purposes; for local service area multipoint service and interexchange two-point or multipoint service.

Material formerly appeared in Private Line Service Tariff, Original Sheet No. 52.4, 5th Revised Sheet No. 53

Issued: October 2, 1995

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In accordance with Case No. 95-815-TP-ATA, issued September 1, 1995.

By J. F. Woods, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

1st Revised Sheet No. 8
Cancels
Original Sheet No. 8

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.1 Series 1000 Channels (Cont'd)

A. Types and Description (Cont'd)

3. Type 1002A - Transmission of miscellaneous signaling frequencies up to 60 Hertz per second for remote metering, supervisory control and miscellaneous signaling purposes.
4. Type 1002AA - Special - similar in transmission characteristics of Type 1002A to be used only for Civil Air Defense Warning Systems.
5. Type 1002B - Transmission up to 45 bauds for teletypewriter or data purposes.
6. Type 1002C - Transmission up to 55 bauds for teletypewriter or data purposes.
7. Type 1005 - Transmission up to 75 bauds for teletypewriter or data purposes.
8. Type 1006 - Transmission up to 150 bauds for teletypewriter or data purposes.

B. Regulations

In addition to the regulations set forth in 2., the following regulations apply to Series 1000 channels.

1. Types 1001, 1002A and 1102

- a. These channels may be used for such purposes as indicating readings of meters at distant locations, operating switches which in turn perform some desired operation, or operating special signaling devices of the customer.

(1) Channel facilities of the types available in the telephone plant are furnished for this service.

- (2) Channels of similar grade furnished by the Company for these purposes may be interconnected by the customer on his premises. When such interconnection is made, the Company's responsibility is limited to providing and maintaining satisfactory transmission capabilities only between the terminal points of each individual channel which it furnishes. (T)

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

1st Revised Sheet No. 9
Cancels
Original Sheet No. 9

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.1 Series 1000 Channels (Cont'd)

B. Regulations (Cont'd)

1. Types 1001, 1002A and 1102 (Cont'd)

a. (Cont'd)

- (3) These channels may be used by the customer, in accordance with the normal transmission characteristics of such channels, to transmit more than one signal in sequence or simultaneously except when used in connection with private land radiotelephone stations established for communication with mobile units. The use of these channels is available on two point services; such use on a multipoint service is available only where facility conditions permit.
- (4) All equipment and facilities at station locations, other than equipment necessary for suitably terminating the channel facilities on the premises of or within the building occupied by the customer or authorized user, shall be provided by the customer except that upon the customer's request, the Company will furnish at station locations, signaling and selective equipment and facilities of the kind ordinarily furnished by the Company for use with channels for remote metering, supervisory control or miscellaneous signaling purposes. (T)
- (5) The rates and charges specified for channels contemplate the furnishing of normal facilities suitable for the transmission of frequencies within the range specified; where channel facilities of a different type than would normally be furnished are required by the customer for reasons other than the basic frequency requirements, the rates or charges based upon costs incurred apply for such channels. (T)
- b. Local service area channels are furnished on a half-duplex basis only. However, where the customer desires grounded channel facilities, the Company will undertake, if possible, to make such channels available by subdividing a metallic channel to create two grounded channels. (T)
- c. These channels are furnished on a twenty-four hour per day, seven day per week basis only.

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

1st Revised Sheet No. 10
Cancels
Original Sheet No. 10

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.1 Series 1000 Channels (Cont'd)

B. Regulations (Cont'd)

1. Types 1001, 1002A and 1102 (Cont'd)

- d. Where these channels are furnished between equipment at airports and equipment used in providing flying aids for air navigation, such as radiotelephone and radiotelegraph stations, markers, beacons, etc., and the location of the latter equipment is in the same LATA and is in an exchange area contiguous to the exchange area in which the airport is located and is not more than five airline miles from the location of the equipment at the airport, the rates for local service area channels apply for the portion of the channel furnished by the Company. Where construction is required in connection with such channels, the same rates and regulations as apply in connection with channels confined to a single exchange area are applicable. (T)

- e. Multipoint service for Type 1102 channels is limited to a maximum of 26 points served from a total of no more than 3 different serving central offices and may be further limited by the transmission distance limitations of customer-provided terminal equipment.

2. Types 1001, 1002A, 1002B, 1002C, 1005, 1006 and 1102

For Types 1001, 1002A and 1102 channels, in addition to the regulations set forth in 1. preceding, the following regulations apply. These regulations are also applicable to Types 1002B, 1002C, 1005 and 1006 channels:

- a. Channels, including channels created by the customer, may not be connected with other private line services or, except as set forth in Part 2, Section 9 of this tariff preceding, with the exchange or toll network.
- b. In those cases where conditions are encountered that involve abnormal costs in deriving the channel, additional rates or charges based upon costs incurred apply.

3. Type 1002AA

These channels are furnished between the control station and the receiving stations of a customer's Civil Air Defense Warning System and may not be directly or indirectly connected with any other facilities of the Company nor with other customer-provided equipment or facilities. (T)

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

1st Revised Sheet No. 11
Cancels
Original Sheet No. 11

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.1 Series 1000 Channels (Cont'd)

B. Regulations (Cont'd)

4. Types 1002B, 1002C, 1005 and 1006

- a. Where a station of an intrastate interexchange private line teletypewriter service furnished by the Company or of an interstate service furnished by the Company or furnished under contract with a Bell Company is located in an exchange area of a connecting company, the Company will furnish private line teletypewriter service between points within such exchange area if one of such points is in the building or on the continuous property where the station of the interexchange service is located, and provided satisfactory arrangements can be made with the connecting company involved. (T)

- (1) Where the stations are on non-continuous property, the charges of the connecting company involved apply. (T)

b. Switching Arrangements for Teletypewriter Service

- (1) Switching arrangements are provided to permit the customer to connect two or more separate interexchange channels to form through two point or multipoint connections. Such arrangements will be furnished where facility conditions permit at rates and charges based upon costs incurred. (T)

Note: Each interexchange channel connected to a switching arrangement is priced as a separate service but remains as an integral part of customer's network.

- (2) When duplex service is furnished on a portion of an interexchange channel, switching arrangements are required at the junction points of the half-duplex and duplex sections and are charged for as provided in (1) above.

5. Type 1006

- a. Station arrangements are required for stations or terminations on a Type 1006 channel when such stations or terminations are located on different premises (i.e., in same building or on same or non-continuous property). The monthly rates for these arrangements are set forth in 1.2.4

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By Connie Browning, President, Cleveland, Ohio

1. CHANNELS (cont'd)

(T)

1.2 Classification and Rates (cont'd)

(T)

1.2.1 Series 1000 Channels (cont'd)

(T)

B. Regulations (cont'd)

(T)

5. Type 1006 (cont'd)

(T)

- b. Transmission between only two stations at the same time is normally contemplated, however, arrangements may be made to provide for transmission between more than two stations at the same time, for which special equipment and arrangements are furnished at rates or charges based upon costs incurred.

1.2.2 Series 2000 Channels

A. Types and Description

This series is furnished for voice transmission within the approximate bandwidth of 300-3000 Hertz and is provided in the following types:

1. Type 2001 - Furnished primarily for intercommunication for one customer, or for two or more customers.
2. Type 2002 - Furnished in connection with remote operation of private mobile radiotelephone systems.

May also be used for combined voice transmission and control purposes.

/1/

/1/ Material now appears on Original Sheet No. 12.1 in this Section.

Issued: April 16, 1998

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By J. F. Woods, President, Cleveland, Ohio

1. CHANNELS (cont'd)

/1/

1.2.2 Series 2000 Channels (cont'd)

A. Types and Description (cont'd)

3. Type 2013 - Furnished for PBX or similar off-premise main station use.
4. Type 2014 - Furnished as a two-wire interface with effective two-wire facilities furnished for PBX (or similar) off-premises main stations capable of operating over loops with resistance up to 1300 ohms with Signaling Arrangements as specified in 1.2.2.B.8.
5. Type 202 - Furnished for tie line use between PBX's (or similar) systems.
6. Type 2021 - Furnished as a two-wire or four-wire transmission interface with four-wire facilities for tie line use between PBX's (or similar) systems with Signaling Arrangement as specified in Section 1.2.2.B.7 following.

/1/

/1/ Material formerly appeared on Original Sheet No. 12 in this Section.

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PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

1st Revised Sheet No. 13
Cancels
Original Sheet No. 13

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.2 Series 2000 Channels (Cont'd)

A. Types and Description (Cont'd)

7. Type 2024 - Furnished for tie line use between a PBX (or similar) systems and a Centrex central office system.
8. Type 2025 - Furnished as a two-wire or four-wire transmission interface with four-wire facilities for tie line use between a PBX (or similar) systems and a Centrex CO; with Signaling Arrangement as specified in Paragraph 1.2.2.B.8 following.
9. Type 2026 - Furnished for tie line use in connection with Centrex.

B. Regulations

In additions to the general regulations set forth in Section 1, preceding, the following regulations apply to Series 2000 channels:

1. General

- a. Series 2000 channels are furnished for half-duplex operation.
- b. Communicating between only two stations at the same time is contemplated with Series 2000 channels; however, to permit communication for more than two stations at the same time, special equipment and arrangements may be furnished at rates and charges based on costs incurred.

2. Type 2001

- a. Terminations of Type 2001 channels can be in facilities provided by the Company or by the customer or in equipment provided by the customer. (T)

Where stations are not permanently connected to an interexchange service, it is contemplated that they be located on the same premises or continuous property as the equipment on which service is terminated.

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PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

1st Revised Sheet No. 14
Cancels
Original Sheet No. 14

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.2 Series 2000 Channels (Cont'd)

B. Regulations (Cont'd)

2. Type 2001 (Cont'd)

b. Signaling

- (1) Signaling on a two point interexchange service may be arranged for ring-down operation; automatic ringing; dial signaling; automatic signaling; key signaling; a combination of one-way magneto signaling - one-way key signaling or one-way key signaling - one-way automatic signaling.

Signaling on a multipoint interexchange service is arranged for magneto or key operation, or a combination thereof.

- (2) Signaling on channels confined to a local service area may be arranged for magneto signaling; key signaling; one-way magneto - one-way key signaling; automatic signaling; and one-way key - one-way automatic signaling.

- c. The connection of Type 2001 channels at any one point but not simultaneously at more than one point, with exchange service is permitted, subject to the following conditions:

- (1) The Company will not warrant that standard operation and transmission can be obtained when such connections are established. When standard operation and transmission would normally not be obtained and the necessary facilities to do so can be provided, the Company will, upon the request of the customer, provide the necessary equipment and facilities at additional rates and charges based upon costs incurred.

(T)

(T)

- (2) Connections to exchange service, in situations involving two or more telephone companies, will be made only with the concurrence of all of the telephone companies participating in the provision of the service.

- d. Channel facilities for Homebound-Student School service are furnished for an intercommunicating service designed for two-way communication for instruction to students who are unable to attend school.

Channel facilities are provided at rates and charges specified for local service area channels on a twenty-four hour per day, seven day per week basis only.

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PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

1st Revised Sheet No. 15
Cancels
Original Sheet No. 15

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.2 Series 2000 Channels (Cont'd)

B. Regulations (Cont'd)

3. Type 2002

- a. These channels furnished for voice transmission or for combined voice transmission and control purposes may be interconnected at the customer's private land radiotelephone station with channels of the customer established for communication with mobile units.
- b. Type 2002 channels, in addition to being used in accordance with the normal characteristics for combined voice transmission and control purposes, may be used by the customer to transmit more than one signal alternately or simultaneously or to create additional channels for remote metering, supervisory control and miscellaneous signaling purposes. The use of these channels is available on two point services; such use on a multipoint service is available only where facility conditions permit.
- c. All equipment and facilities at station locations, other than equipment necessary for suitably terminating the channel facilities on the premises of or within the building occupied by the customer or authorized user, shall be provided by the customer.
- d. Channels, including channels created by the customer, may not be connected with other private line services or with the exchange or toll network.

4. Types 2013 and 2014

These channels are furnished to connect the customer's off-premises PBX stations located outside the local service area of such customer's serving PBX system, subject to the following:

- a. Off-premises stations located on other premises of the same customer may be used for communication with other stations directly connected to the PBX system and located on the same premises as the PBX attendant position. Off-premises station lines may also be used in connection with trunk lines, tie lines, other off-premises station lines or private lines, subject to the condition that the Company does not warrant that standard operation and transmission can be obtained when such connections are established.

(T)

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PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

1st Revised Sheet No. 16
Cancels
Original Sheet No. 16

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.2 Series 2000 Channels (Cont'd)

B. Regulations (Cont'd)

4. Types 2013 and 2014 (Cont'd)

a. (Cont'd)

In cases where standard operation and transmission would normally not be obtained, the Company will, if the necessary facilities and equipment are available to furnish standard operation and transmission, provide these facilities and equipment at additional rates and charges based on costs incurred. (T)

- b. Channels to connect off-premises stations located on premises of someone other than the customer are furnished with the understanding that such stations will be used only for communication with other stations directly connected to the PBX system and located on the same premises as the attendant position and ordinarily only on condition that separate exchange service is also furnished at the same off-premises location.

5. Types 2020 and 2021

These channels are furnished as tie lines to connect PBX (or similar) systems of the same or different customers on different premises, subject to the following:

- a. Tie lines connecting systems which are located on two different premises of the customer are furnished for communication between stations directly connected to and located on the same premises as the dial switching equipment of PBX attendant positions involved. Tie lines may be used in connection with PBX trunk lines, off-premises station lines, other tie lines, or interexchange private lines, subject to the condition that the Company does not warrant that standard operation and transmission can be obtained when such connections are established. (T)

In cases where standard operation and transmission would normally not be obtained, the Company will, if the necessary facilities and equipment are available to furnish standard operation and transmission, provide these facilities and equipment at additional rates and charges based on cost incurred. (T)

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PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

Original Sheet No. 17

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.2 Series 2000 Channels (Cont'd)

B. Regulations (Cont'd)

5. Types 2020 and 2021 (Cont'd)

- b. Tie lines connecting PBX systems of different customers are furnished with the understanding that such tie lines are to be used only for communication between stations directly connected to and located on the same premises as the dial switching equipment or PBX attendant positions involved. Such tie lines are provided only if each of the PBX systems involved is connected to the central office by PBX trunk lines.

6. Types 2024, 2025 and 2026

These channels are furnished as tie lines to connect PBX (or similar) systems and Centrex CO services or in connection with Centrex CO service as described in 1.2.2.A preceding. Such channels are subject to the provisions in 5. above and the "Tie Line" provisions in Part 5, Section 1 of this tariff.

7. Signaling Arrangements

- a. The following Signaling Arrangements are furnished for registered and grandfathered PBX (or similar) systems in accordance with Part 68 of the Federal Communications Commission's Rules and Regulations.

- (1) Signaling Arrangements for use with Type 2014 channel which connect off-property stations of PBX (or similar) systems;

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

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

- (2) Signaling Arrangements for use with Type 2021 and 2025 channels furnished as PBX to PBX or PBX to Centrex CO tie lines with E and M signaling interfaces.

Material formerly appeared in Private Line Service Tariff, Original Sheet No. 65.1, 10th Revised Sheet No. 66

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In accordance with Case No. 95-815-TP-ATA, issued September 1, 1995.

By J. F. Woods, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
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1st Revised Sheet No. 18
Cancels
Original Sheet No. 18

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.2 Series 2000 Channels (Cont'd)

B. Regulations (Cont'd)

7. Signaling Arrangements (Cont'd)

- b. The following regulations apply to the Signaling Arrangements for off-property stations as described in a-(1) preceding.

(1) For new connections of off-property stations to registered PBX (or similar) systems, the customer must specify the equipment capability, i.e., Type A, B or C port, of the system.

(2) Customers with grandfathered PBX (or similar) systems may either

(a) continue to provide their own off-property station signaling capability and utilize only Company-provided channels, or (T)

(b) specify the equipment capability of their system and request the Company to provide the Signaling Arrangement. (T)

- c. The following regulations apply to the Signaling Arrangement for tie lines as described in a-(2) preceding.

(1) An E and M Signaling Arrangement is required for each dial repeating tie line termination in a registered PBX (or similar) system.

(2) An E and M Signaling Arrangement is required for each tie line termination in a grandfathered PBX (or similar) system only when the tie line is arranged with an E and M signaling interface.

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PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

1st Revised Sheet No. 19
Cancels
Original Sheet No. 19

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.3 Series 3000 Channels

A. Types and Description

1. The following Series 3000 channels which are designed to meet certain specifications based upon Company standards of measurement for the various purposes set forth below, are furnished within the approximate bandwidth of 300-3000 Hertz for half duplex or duplex operation. Duplex service, however, which may be furnished either on an entire channel or on a portion thereof, is available only where facility conditions permit. (T)
 - a. Type 3001 - Furnished for remote metering, supervisory control and miscellaneous signaling purposes.
 - b. Type 3002 - Furnished for data transmission.
2. The following Series 3000 channels known as Local Area Data Channels are suitable for baseband transmission of digital data signals between two stations within the same serving central office area, and are offered only for balanced transmission of data signals conforming to the signal power limitations and other parameters specified in the applicable Bell System Technical Reference(s). Service is limited to stations that are not more than six route miles apart, as determined by the Company, using normal cable routing between the stations to be served. The Local Area Data Channels available are of the following types. (T)
 - a. Type 3080 - Two-wire facilities
 - b. Type 3081 - Four-wire facilities
3. The following Series 3000 channels are furnished as access lines of DATAPHONE ® Select-A-Station Service:
 - a. Type 3040 - Two-wire access lines between a Data Station Selector (DSS) and remote stations.
 - b. Type 3041 - Four-wire access lines between a DSS and either the master station or remote stations or between DSS's.

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PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

1st Revised Sheet No. 20
Cancels
Original Sheet No. 20

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.3 Series 3000 Channels (Cont'd)

B. Regulations

In addition to the regulations set forth in Section 1 preceding, the following regulations apply to Series 3000 channels:

1. General

- a. Channels including channels created by the customer may not be connected with other private line services or with the exchange or toll network.
- b. In those cases where conditions are encountered that involve abnormal costs in deriving the channel, additional rates or charges based upon costs incurred apply.

2. Type 3001 and 3002

- a. These channels are not suitable for the transmission of direct current pulses.
- b. The number of stations that may be connected and the distance over which satisfactory transmission is possible may be limited by operating and transmission factors on channels furnished for data transmission.

3. Type 3001

- a. These channels are furnished for such purposes as reading meters at distant locations, operating switches which in turn perform some desired operation, or operating special signaling devices of the customer.
 - (1) Channel facilities of the types available in the telephone plant are furnished for this service.
 - (2) Channels of similar grade furnished by the Company for these purposes may be interconnected by the customer of his premises. When such interconnection is made, the Company's responsibility is limited to providing and maintaining satisfactory transmission capabilities only between the terminal points of each individual channel which it furnishes. (T)

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PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

1st Revised Sheet No. 21
Cancels
Original Sheet No. 21

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.3 Series 3000 Channels (Cont'd)

B. Regulations (Cont'd')

3. Type 3001 (Cont'd)

a. (Cont'd)

- (3) All equipment and facilities at station locations, other than equipment necessary for suitable termination of the channel facilities on the premises of or within the building occupied by the customer or authorized user, shall be provided by the customer except that upon the customer's request, the Company will furnish at station locations, signaling and selective equipment and facilities of the kind ordinarily furnished by the Company for use with channels for remote metering, supervisory control or miscellaneous signaling purposes. (T)

- (4) The rates and charges specified for channels contemplate the furnishing of normal facilities suitable for the transmission of frequencies within the range specified. Where channel facilities of a different type than would normally be furnished are required by the customer for reasons other than the basic frequency requirements, the rates or charges based upon costs incurred apply for such channels. (T)

- b. Where Type 3001 channels are furnished between equipment at airports and equipment used in providing flying aids for air navigation, such as radio telephone and radiotelegraph stations, marker beacons etc., and the location of the latter equipment (1) is in the same LATA and in an exchange area contiguous to the exchange area in which the airport is located, and (2) is not more than five airline miles from the location of the equipment at the airport, the rates for local service area channels apply for the portion of the channel furnished by the Company. Where construction is required in connection with such channels, the same rates and regulations as apply in connection with channels confined to a single exchange area are applicable. (T)

/1/

/1/ Material now appears on Original Sheet 21.1 in this Section. (N)

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PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

Original Sheet No. 21.1

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.3 Series 3000 Channels (Cont'd)

B. Regulations (Cont'd')

4. Type 3002

Data sets are required to condition signals generated by apparatus furnished by the customer to signals suitable for transmission on a channel and to condition signals received from such a channel to signals for delivery to apparatus furnished by the customer.

/1/
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/1/

/1/ Material formerly appeared on Original Sheet 21 in this Section. (N)

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1. CHANNELS (cont'd)

1.2 Classification and Rates (cont'd)

1.2.3 Series 3000 Channels (cont'd)

B. Regulations (cont'd)

5. Local Area Data Channels (Type 3080, 3081)

- a. These channels require the use of cable facilities having neither load coils nor bridge-tap. In the event such facilities are not available, the Company will, at the customer's request, remove load coils and bridge-tap from facilities at cable opening charges as shown in 1.2.4.F. following. (T)
- b. Provision of such channels is subject to the availability of existing facilities.

6. Types 3040 and 3041

A Type 3041 channel may be used between a DSS and a remote station where transmission limitations preclude using a Type 3040 channel.

1.2.4 Rates and Charges - Series 1000, 2000 and 3000 Channels

A. Monthly Rate Elements

Note: The monthly rates for Type 1002AA Channels are covered in 1.2.4.D following.

1. Local channels, half-duplex or duplex

A local channel is comprised of two rate elements, a local loop charge and a service area function charge as follows:

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PART 15 - Dedicated Telecommunications Services
SECTION 2 - Channel Services

4th Revised Sheet 22.1 (C)
Cancels 3rd Revised Sheet 22.1

1. CHANNELS (cont'd)

1.2 Classification and Rates (cont'd)

1.2.4 Rates and Charges - Series 1000, 2000 and 3000 Channels (cont'd)

A. Monthly Rate Elements (cont'd)

1. Local channels, half-duplex or duplex (cont'd)

a. Local Loops

The following rates are applicable to channels provided in those central office areas that are not designated in Paragraph V3 in Section 1, preceding.

	<u>Monthly Rate</u>	<u>USOC</u>
(1) Effective two-wire loop	\$23.90(I)	1LPJJ ^{1/}
(2) Effective four-wire loop	45.70(I)	1LNFB
(3) Type 1001 channel furnished on cable pair which is not capable of voice grade service or where both conductors are not operative, each loop	10.60	1L31J

/1/ Additional codes appear in departmental practices.

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PART 15 - Dedicated Telecommunications Services
SECTION 2 - Channel Services

6th Revised Sheet 23 (C)
Cancels 5th Revised Sheet 23

1. CHANNELS (cont'd)

1.2 Classification and Rates (cont'd)

1.2.4 Rates and Charges - Series 1000, 2000 and 3000 Channels (cont'd)

A. Monthly Rate Elements (cont'd)

1. Local channels, half-duplex or duplex (cont'd)

b. Local Loops

The following rates are applicable to channels, except Types 1001, 1002A, 3001, provided in those central office areas that are designated in Part 15, Section 1, Paragraph V3.

	<u>Monthly Rate</u>	<u>USOC</u>
(1) Effective two-wire loop	\$23.90(l)	1LPJJ ^{1/}
(2) Effective four-wire loop	45.70(l)	1LNFB

Note: Types 2020, 2021, 2024, 2025, 3002, 3041, 3081 and 3083 channels require four wire loops.

/1/ Additional codes appear in departmental practices.

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PART 15 - Dedicated Telecommunications Services
SECTION 2 - Channel Services

11th Revised Sheet 24 (C)
Cancels 10th Revised Sheet 24

1. CHANNELS (cont'd)

1.2 Classification and Rates (cont'd)

1.2.4 Rates and Charges - Series 1000, 2000 and 3000 Channels (cont'd)

A. Monthly Rate Elements (cont'd)

1. Local channels, half-duplex or duplex (cont'd)

c. Service Area Function For Local Service Area Private Lines

The following rates are applicable to channels provided in those Central Office areas that are not designated in Paragraph V3 of Section 1, preceding.

Description	Monthly Rate All Terminations in Same CO Area	USOC	Monthly Rate Terminations in Different CO Area	USOC
Type 1001	\$11.70(I)	OPMAA	\$11.70(I)	OPMAB
Type 1002A	11.70(I)	OPMAD	9.40	OPMAE
Type 1002B	9.40	OPMAG	9.40	OPMAH
Type 1002C	9.40	OPMAK	9.40	OPMAL
Type 1005	9.40	OPMAN	9.40	OPMAO
Type 1006	9.40	OPMAQ	9.40	OPMAR
Type 1102	9.40	OPMAT	9.40	OPMAU
Type 2001	38.50(I)	OPMPS	48.00(I)	OPMPD
Type 2002	38.50	OPMAW	48.00	OPMAX
Type 2013	38.50	OPMBA	48.00	OPMBB
Type 2014	38.50(I)	OPMBD	48.00(I)	OPMBE
Type 2020	34.40	OPNBG	42.00	OPNBH
Type 2021	43.20(I)	OPNBK	52.80(I)	OPNBL

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PART 15 - Dedicated Telecommunications Services
SECTION 2 - Channel Services

13th Revised Sheet 24.1 (C)
Cancels 12th Revised Sheet 24.1

1. CHANNELS (cont'd)

1.2 Classification and Rates (cont'd)

1.2.4 Rates and Charges - Series 1000, 2000 and 3000 Channels (cont'd)

A. Monthly Rate Elements (cont'd)

1. Local channels, half-duplex or duplex (cont'd)

c. Service Area Function For Local Service Area Private Lines (cont'd)

Description	Monthly Rate All Terminations in same CO Area	USOC	Monthly Rate All Terminations in Different CO Area	USOC
Type 2024	\$34.40	OPOBN	\$52.80(I)	OPOBO
Type 2025	43.20 ^{1/1} (I)	OPOBQ	42.00 ^{1/1}	OPOBR
Type 2026	43.20	OPQBT	42.00 ^{1/1}	OPQBU
Type 3001	28.80	OPMBW	28.80(I)	OPMBX
Type 3002	48.00 (I)	OPMCA	52.80(I)	OPMCB
Type 3040	22.90	OPMCD	22.90	OPMCE
Type 3041	22.90	OPMCG	22.90	OPMCH
Type 3080	52.80(I)	OPMCK	-	-
Type 3081	48.00(I)	OPMCL	-	-

/1/ When a private line channel for a customer terminates in switching equipment located on Company premises and no local loop is required, the monthly rate for a service area function still applies to such termination.

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PART 15 - Dedicated Telecommunications Services
SECTION 2 - Channel Services

12th Revised Sheet 25 (C)
Cancels 11th Revised Sheet 25

1. CHANNELS (cont'd)

1.2 Classification and Rates (cont'd)

1.2.4 Rates and Charges - Series 1000, 2000 and 3000 Channels (cont'd)

A. Monthly Rate Elements (cont'd)

1. Local channels, half-duplex or duplex (cont'd)

c. Service Area Function For Local Service Area Private Lines (cont'd)

The following rates are applicable to channels provided in those Central Office areas that are designated in Part 15, Section 1, Paragraph V3.

Description	Monthly Rate All Terminations in Same CO Area	USOC	Monthly Rate Terminations in Different CO Area	USOC
Type 1002B	\$ 9.40	OPMAG	\$ 9.40	OPMAH
Type 1002C	9.40	OPMAK	9.40	OPMAL
Type 1005	9.40	OPMAN	9.40	OPMAO
Type 1006	9.40	OPMAQ	9.40	OPMAR
Type 1102	9.40	OPMAT	9.40	OPMAU
Type 2001	38.50(I)	OPMPS	48.00 (I)	OPMPD
Type 2002	38.50	OPMAW	48.00	OPMAX
Type 2013	38.50	OPMBA	48.00	OPMBB
Type 2014	38.50 (I)	OPMBD	48.00(I)	OPMBE
Type 2020	34.40	OPNBG	42.00	OPNBH
Type 2021	43.20(I)	OPNBK	52.80(I)	OPNBL

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PART 15 - Dedicated Telecommunications Services
SECTION 2 - Channel Services

12th Revised Sheet 25.1 (C)
Cancels 11th Revised Sheet 25.1

1. CHANNELS (cont'd)

1.2 Classification and Rates (cont'd)

1.2.4 Rates and Charges - Series 1000, 2000 and 3000 Channels (cont'd)

A. Monthly Rate Elements (cont'd)

1. Local channels, half-duplex or duplex (cont'd)

c. Service Area Function For Local Service Area Private Lines (cont'd)

The following rates are applicable to channels provided in those Central Office areas that are designated in Part 15, Section 1, Paragraph V3.

Description	Monthly Rate All Terminations in Same CO Area	USOC	Monthly Rate Terminations in Different CO Area	USOC
Type 2024	\$34.40	OPOBN	\$52.80(l)	OPOBO
Type 2025	43.20 ^{h/} (l)	OPOBQ	42.00 ^{h/}	OPOBR
Type 2026	43.20	OPQBT	42.00 ^{h/}	OPQBU
Type 3002	48.00 (l)	OPMCA	42.00	OPMCB
Type 3040	22.90	OPMCD	22.90	OPMCE
Type 3041	22.90	OPMCG	22.90	OPMCH
Type 3080	52.80(l)	OPMCK	-	-
Type 3081	48.00(l)	OPMCL	-	-
Type 3083	38.20	OPMCM	-	-

/1/ When a private line channel for a customer terminates in switching equipment located on Company premises and no local loop is required, the monthly rate for a service area function still applies to such termination.

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PART 15 - Dedicated Telecommunications Services
SECTION 2 - Channel Services

11th Revised Sheet 26 (C)
Cancels 10th Revised Sheet 26

1. CHANNELS (cont'd)

1.2 Classification and Rates (cont'd)

1.2.4 Rates and Charges - Series 1000, 2000 and 3000 Channels (cont'd)

A. Monthly Rate Elements (cont'd)

1. Local channels, half-duplex or duplex (cont'd)

c. Service Area Function For Local Service Area Private Lines (cont'd)

The following rates are applicable to channels provided in those Central Office areas that are not designated in Paragraph V3 in Section 1, preceding.

Description /Billing Code/		Monthly Price
Type 1001	/OPMAC/	\$ 9.40
Type 1002A	/OPMAF/	9.40
Type 1002B	/OPMAJ/	9.40
Type 1002C	/OPMAM/	9.40
Type 1005	/OPMAP/	9.40
Type 1006	/OPMAS/	9.40
Type 1102	/OPMAV/	9.40
Type 2001	/OPMPX/	48.00(l)
Type 2002	/OPMAY/	48.00
Type 2013	/OPMBC/	48.00
Type 2014	/OPMBF/	48.00(l)
Type 2020	/OPNBJ/	42.00
Type 2021	/OPNBM/	42.00

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PART 15 - Dedicated Telecommunications Services
SECTION 2 - Channel Services

11th Revised Sheet 26.1 (C)
Cancels 10th Revised Sheet 26.1

1. CHANNELS (cont'd)

1.2 Classification and Rates (cont'd)

1.2.4 Rates and Charges - Series 1000, 2000 and 3000 Channels (cont'd)

A. Monthly Rate Elements (cont'd)

1. Local channels, half-duplex or duplex (cont'd)

d. Service Area Function For Interexchange Private Lines (cont'd)

The following rates are applicable to channels provided in those Central Office areas that are not designated in Paragraph V3 of Section 1, preceding.

Description /Billing Code/		Monthly Price
Type 2024	/OPOBP/	\$52.80 ⁽¹⁾
Type 2025	/OPOBS/	42.00 ⁽¹⁾
Type 2026	/OPQBV/	52.80 ⁽¹⁾
Type 3001	/OPMBY/	22.90
Type 3002	/OPMCC/	52.80 ⁽¹⁾
Type 3040	/OPMCF/	22.90
Type 3041	/OPMCJ/	22.90
Type 3080	-	-
Type 3081	-	-
Type 3083	-	-

/1/ When a private line channel for a customer terminates in switching equipment located on Company premises and no local loop is required, the monthly rate for a service area function still applies to such termination.

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By Connie Browning, President, Cleveland, Ohio

TFA No. OH-07-17505

PART 15 - Dedicated Telecommunications Services
SECTION 2 - Channel Services

12th Revised Sheet 27 (C)
Cancels 11th Revised Sheet 27

1. CHANNELS (cont'd)

1.2 Classification and Rates (cont'd)

1.2.4 Rates and Charges - Series 1000, 2000 and 3000 Channels (cont'd)

A. Monthly Rate Elements (cont'd)

1. Local channels, half-duplex or duplex (cont'd)

d. Service Area Function For Interexchange Private Lines (cont'd)

The following rates are applicable to channels provided in those Central Office areas that are not designated in Part 15, Section 1, Paragraph V3.

Description /Billing Code/		Monthly Price
Type 1002B	/OPMAJ/	\$ 9.40
Type 1002C	/OPMAM/	9.40
Type 1005	/OPMAP/	9.40
Type 1006	/OPMAS/	9.40
Type 1102	/OPMAV/	9.40
Type 2001	/OPMPX/	48.00(I)
Type 2002	/OPMAY/	48.00
Type 2013	/OPMBC/	48.00
Type 2014	/OPMBF/	48.00(I)
Type 2020	/OPNBJ/	42.00
Type 2021	/OPNBM/	42.00

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By Connie Browning, President, Cleveland, Ohio

TFA No. OH-07-17505

PART 15 - Dedicated Telecommunications Services
SECTION 2 - Channel Services

11th Revised Sheet 27.1
Cancels 10th Revised Sheet 27.1

1. CHANNELS (cont'd)

1.2 Classification and Rates (cont'd)

1.2.4 Rates and Charges - Series 1000, 2000 and 3000 Channels (cont'd)

A. Monthly Rate Elements (cont'd)

1. Local channels, half-duplex or duplex (cont'd)

d. Service Area Function For Interexchange Private Lines (cont'd)

The following rates are applicable to channels provided in those Central Office areas that are not designated in Part 15, Section 1, Paragraph V3.

Description /Billing Code/		Monthly Price
Type 2024	/OPOBP/	\$52.80
Type 2025	/OPOBS/	42.00 ^{1/}
Type 2026	/OPQBV/	52.80 ^{1/}
Type 3002	/OPMCC/	52.80
Type 3040	/OPMCF/	22.90
Type 3041	/OPMCJ/	22.90
Type 3080	-	-
Type 3081	-	-
Type 3083	-	-

1/ When a private line channel for a customer terminates in switching equipment located on Company premises and no local loop is required, the monthly rate for a service area function still applies to such termination. (T)

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PART 15 - Dedicated Telecommunications Services
SECTION 2 - Channel Services

6th Revised Sheet 28 (C)
Cancels 5th Revised Sheet 28

1. CHANNELS (cont'd)

1.2 Classification and Rates (cont'd)

1.2.4 Rates and Charges - Series 1000, 2000 and 3000 Channels (cont'd)

A. Monthly Rate Elements (cont'd)

2. The following rates are applicable to channels provided in those central office areas that are not designated in Part 15, Section 1, Paragraph V.3. preceding.

Description /Billing Code/	Monthly Price
a. Interoffice channel, duplex or half-duplex, each mile or fraction thereof /1LPJS/ ^{1/}	\$14.10(I)
b. Interexchange channel, duplex or half-duplex, each mile or fraction thereof /1LPJ4/ ^{1/}	7.10(I)
c. Service terminal /P3N/	63.10(I)

3. The following rates are applicable to channels except Types 1001, 1002A, and 3001 provided under the provisions of Part 15, Section 1, Paragraph U, preceding.

a. Interoffice channel, duplex or half-duplex, each mile or fraction thereof /1LPJS/ ^{1/}	\$14.10(I)
b. Interexchange channel, duplex or half-duplex, each mile or fraction thereof /1LPJ4/ ^{1/}	7.10(I)
c. Service terminal /P3N/	63.10(I)

/1/ Additional codes appear in departmental practices.

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By Connie Browning, President, Cleveland, Ohio

TFA No. OH-07-17505

PART 15 - Dedicated Communications Services
SECTION 2 -Channel Services

Original Sheet No. 29

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.4 Rates and Charges - Series 1000, 2000 and 3000 Channels (Cont'd)

B. Application of Monthly Rate Elements to Local Service Area Private Line Services

1. Private line services between non-continuous property locations

- a. Private line services between non-continuous property locations are provided in the channel types specified in 1.2.1, 1.2.2 and 1.2.3 preceding.
- b. The monthly charge for private line service when all service locations are within the same central office area is the appropriate monthly rate set forth in A.1 preceding for the number of local channels required to provide such service.
- c. The monthly charge for private line service with service locations in two or more central office areas is
 - (1) the appropriate monthly rate specified in A.2 or A.3 preceding for interoffice channels between the central offices of the service locations involved, computed in accordance with the provisions of 1.1.2.D preceding; plus
 - (2) the appropriate monthly rate specified in A.1 preceding for a local channel between each service location and its serving central office.

C. Application of Monthly Rate Elements to Interexchange Private Line Services

1. The monthly charge for interexchange private line service is

- a. the appropriate monthly rate specified in A.2 or A.3 preceding for the interexchange channels between the rate centers of the service points, computed in accordance with the provisions of 1.1.2.C preceding; plus
- b. the monthly rate specified in A.2 or A.3 preceding for a service terminal per two point section, per rate center in which an interexchange channel terminates or connects to one or more service locations.

Material formerly appeared in Private Line Service Tariff, 8th Revised Sheet No. 75, 10th Revised Sheet No. 76

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In accordance with Case No. 95-815-TP-ATA, issued September 1, 1995.

By J. F. Woods, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

2nd Revised Sheet No. 30
Cancels
1st Revised Sheet No. 30

1. CHANNELS (cont'd)

1.2 Classification and Rates (cont'd)

1.2.4 Rates and Charges - Series 1000, 2000 and 3000 Channels (cont'd)

C. Application of Monthly Rate Elements to Interexchange Private Line Services (cont'd)

2. In addition, whenever the interexchange channel connects to one or more service locations within the exchange area of a rate center, the monthly charge for that portion of the service between the rate center and the service locations is as follows:

a. All service locations in rate center central office area:

b. Service locations in two or more central office areas:

The appropriate monthly rate specified in A.2 or A.3 preceding for an interoffice channel(s) between the rate center central office and the central office(s) of the service locations, computed in accordance with the provisions of 1.1.2.D preceding plus the appropriate monthly rate specified in A.1 preceding for a local channel between each service location and its serving central office.

Description /Billing Code/	Monthly Rate
----------------------------	--------------

D. Civil Air Defense Warning Systems

Type 1002AA

1. Channel Facilities

a. Interexchange Channels

Where all stations are in Company
exchange areas which are not in the local
service area of the other or others

(T)

Each mile or fraction thereof (Mileage is
determined as set forth in 1.1.2.C.1.
preceding) /1L334/ \$9.90

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By Connie Browning, President, Cleveland, Ohio

1. CHANNELS (cont'd)

1.2 Classification and Rates (Cont'd)

1.2.4 Rates and Charges - Series 1000, 2000 and 3000 Channels (Cont'd)

D. Civil Air Defense Warning Systems (Cont'd)

Type 1002AA (Cont'd)

1. Channel Facilities (Cont'd)

Monthly
Rate

USOC

**b. Local channels provided in connection
with interexchange channels**

Each 1/4 mile or fraction thereof

\$2.75

1L33R

(Measured airline between each
receiving station and the rate center
of the exchange area in which the
receiving station is located)

c. Local Service Area Channels

Where all stations are in a Telephone
Company exchange area or in Telephone
Company exchange areas which are in the
local service area of the other or others

Each 1/4 mile or fraction thereof

2.75

1L33M

(Measured airline between each receiving
station and the normal central office of
the receiving station)

E. Miscellaneous Channel Arrangements

1. Type 1006 Channel Station Arrangements

Station arrangements are required under the conditions specified in
1.2.1.B.6, and at the following rates:

(D)

Monthly

Rate

USOC

a. Two stations, each station

\$ 31.15

4GTMS

(C)

b. More than two stations, each station

61.15

4GTMP

(C)

/1/ Also cancels Original Pricing List Sheet No. 31 in this Section.

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By J. F. Woods, President, Cleveland, Ohio

1. CHANNELS (cont'd)

1.2 Classification and Rates (Cont'd)

1.2.4 Rates and Charges - Series 1000, 2000 and 3000 Channels (Cont'd)

E. Miscellaneous Channel Arrangements (Cont'd)

2. Switching arrangements - Type 2001 Interexchange Channels

Switching arrangements are provided to permit a customer with a PBX system to connect two separate two point private line services so as to form through connections, the provision of which contemplates satisfactory transmission over such private line services.

(D)

	<u>Monthly Rate</u>	<u>USOC</u>	
a. Per service point, per service arranged	\$31.75	SWA	(C)

Note: Each private line connected to a switching arrangement is provided as a separate service but remains as an integral part of the customer's network.

- b. Other types of switching arrangements will be furnished where facility conditions permit at rates and charges based upon costs incurred.
- c. A switching arrangement associated with a PBX system requires an interexchange private line terminal.

/1/ Also cancels Original Pricing List Sheet No. 32 in this Section.

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PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

1st Revised Sheet No. 33
Cancels
Original Sheet No. 33

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.4 Rates and Charges - Series 1000, 2000 and 3000 Channels
(Cont'd)

F. Moves and Changes

1. Bridging of terminations of local and interoffice portions of local service area channels (Types 1001, 1002A, 3001 and 3002)

a. Bridging equipment at bridging points

Bridging equipment provided by the Company at bridging points in connection with multipoint channels is furnished at rates or charges based upon costs incurred except for Types 3001 and 3002 channels, in which event standard bridging equipment provided by the Company at bridging points in connection with multipoint channels is furnished without additional charge. (T)

b. Rearrangements of terminations at bridging points

- (1) No charge applies to terminations left in place on a channel when terminations are added or when terminations are removed.
- (2) For transfer of one or more terminations from a given channel to another, apply a charge equal to the charge to move one channel termination.

Nonrecurring Charge

2. Removal of load coils and bridge-tap for Local Area Data Channels, per cable opening

\$520.30

1.2.5 Series 6000 Channels

A. Types and Description

Series 6000 channel facilities are specially equipped and operated for program transmission in connection with loudspeakers and sound recording and are furnished for the transmission in one direction of music or speech. In addition, where facilities are suitable, these channel facilities can be operated for facsimile transmission.

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

1st Revised Sheet No. 34
Cancels
Original Sheet No. 34

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.5 Series 6000 Channels (Cont'd)

A. Types and Description (Cont'd)

1. Interexchange Type 6003 Channels

Interexchange Type 6003 channels provide for the continuous use of program transmission facilities, without special operation and supervision, for the transmission of audio within an approximate bandwidth of 200-3500 Hertz. Transmission limitations permit the satisfactory transmission of the above frequency range only over limited distances. Type 6003 covers the provisions of interexchange channel facilities and services, including the necessary station connections.

2. Station Connection

The amplifying equipment and services required for a Type 6003 channel at various points of connection.

3. Local channels and local service area channels are furnished as specified in C. following.

B. Regulations

In addition to the regulations set forth in Section 1 preceding, the following regulations apply to series 6000 channels.

1. Series 6000 channel facilities are the only channel facilities furnished by the Company for program transmission in connection with loudspeaker and sound recording equipment. Facilities furnished in connection with exchange, message toll or private line service for voice transmission may neither be connected with program transmission channels nor be connected directly or indirectly with loudspeaker or sound recording equipment associated with program transmission channels. Channels furnished in connection with loudspeakers may be connected with paging systems. Channels furnished in connection with loudspeakers and sound recording equipment may be interconnected with channels furnished in connection with radio broadcasting. (T)

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By Connie Browning, President, Cleveland, Ohio

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.5 Series 6000 Channels (Cont'd)

B. Regulations (Cont'd)

2. The customer may interconnect at his studio the channels provided by the Company with channels other than those provided by the Company, provided such interconnection will not result in the connection, either directly or indirectly, of the interexchange channels of the Company with interexchange facilities of others. (T) (T) (T)

3. Mileage Measurements

a. Interexchange Channels

Mileage measurements for interexchange channels are determined in accordance with the procedure specified for two point and multipoint service as set forth in 1.1.2.C.1 and 2 preceding.

b. Local Channels associated with Interexchange Channels

The mileage is the airline distance between the rate center and the station.

/1/

/1/ Material now appears on Original Sheet 35.1 in this Section. (N)

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PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

Original Sheet No. 35.1

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.5 Series 6000 Channels (Cont'd)

B. Regulations (Cont'd)

3. Mileage Measurements

c. Local Service Area Channels

(1) Two point channel

The mileage is the airline distance between the stations involved.

(2) Multipoint Channel

The mileage is the airline distance of each section of a multipoint channel between distributing centers or between a station and its distributing center. However, when a station's distributing center is not its serving central office, the mileage is the airline distance between the station and the distributing center measured via the serving central office.

Note: The distributing center is the central office designated by the customer as the location at which sections of the multipoint channel which serve stations located in the central office area served by the designated central office are to be connected to (1) a section or sections of the multipoint channel extending between the designated central office and another distributing center, (2) to stations in another central office area or (3) where practicable, to the point of connection with an interexchange channel.

/1/

/1/

/1/ Material formerly appeared on Original Sheet 35 in this Section.

(N)

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By Connie Browning, President, Cleveland, Ohio

1. CHANNELS (cont'd)

1.2 Classification and Rates (Cont'd)

1.2.5 Series 6000 Channels (Cont'd)

C. Rates

1. Interexchange Channels

- a. Channel facilities for occasional use are furnished on an interexchange basis only at rates and charges based upon costs incurred.

- b. Channel facilities for continuous use

The following rates are applicable to channels provided in those central office areas that are not designated in Part 15, Section 1, paragraph V3. (T)

	Monthly	
Type 6003	Rate	USOC
Each mile or fraction thereof	\$13.25	1LGN4
Station connection, per connection	71.55	5FT

- c. Local channels associated with interexchange channels

- (1) A local channel used to serve one station in an exchange area

Rates and charges specified in C.2 following apply.

- (2) A local channel used to serve two or more stations in an exchange area.

Rates and charges specified in C.2 following apply.

- d. Channel facilities for continuous use (C)

The following rates are applicable to channels provided in those central office areas that are designated in Part 15, Section 1, paragraph V3. (T)

	Monthly	
Type 6003	Rate	USOC
Each mile or fraction thereof	\$ 13.25	1LGN4
Station connection, per connection	71.55	5FT

- e. Local channels associated with interexchange channels (C)

- (1) A local channel used to serve one station in an exchange area

Rates and charges specified in C.2 following apply.

- (2) A local channel used to serve two or more stations in an exchange area.

Rates and charges specified in C.2 following apply.

/1/ Also cancels Original Pricing List Sheet No. 36 in this Section.

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PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

1st Revised Sheet No. 37
Cancels
Original Sheet No. 37

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.5 Series 6000 Channels (Cont'd)

C. Rates (Cont'd)

2. Local Service Area Channels

Between points in a Company exchange area or between points (T)
in Company exchange area each of which is in the local (T)
service areas of the other or others

a. Where the stations are on non-continuous property

The following rates are applicable to channels provided in
those central office areas that are not designated in
Paragraph 2.8 of Section 1 preceding.

	Monthly Rate	USOC
(1) Two point channels		
(a) Non-equalized		
First 1/4 mile or fraction thereof	\$12.70	1LNH4
Each additional 1/4 mile or fraction thereof	4.80	
(b) Equalized with approximate frequency range of		
(i) 100 to 5,000 Hertz		
First 1/4 mile or fraction thereof	13.85	1LG3Y*
Each additional 1/4 mile or fraction thereof	5.30	1LUGR*
(ii) 50 to 8,000 Hertz		
First 1/4 mile or fraction thereof	13.85	1LG4Y*
Each additional 1/4 mile or fraction thereof	5.70	1LNH7*
(iii) 50 to 15,000 Hertz		
First 1/4 mile or fraction thereof	15.00	1LG7Y*
Each additional 1/4 mile or fraction thereof	6.25	1LNH8*

*Additional codes appear in departmental practices.

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 2 - Channel Services

1st Revised Sheet No. 38
Cancels
Original Sheet No. 38

1. CHANNELS (Cont'd)

1.2 Classification and Rates (Cont'd)

1.2.5 Series 6000 Channels (Cont'd)

C. Rates (Cont'd)

2. Local Service Area Channels

a. Where the stations are on non-continuous property (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>USOC</u>
(2) Multipoint channel, per channel lus - Circuit rate per section, each 1/4 mile, or fraction thereof	7.50	-	677
(a) Non-equalized	4.80	-	1LGUY
(b) Equalized with approximate frequency range of			
(i) 100 to 5,000 Hertz	5.30	-	1LG5R*
(ii) 50 to 8,000 Hertz	5.70	-	1LG8R*
(iii) 50 to 15,000 Hertz	6.25	-	1LG1R*
Distribution	140.75	\$864.10	67R
(3) Where the necessary facilities are not available and cannot be provided by the Company without expense, the applicant shall also be required to pay such portion of the abnormal expense, in excess of the nonrecurring charge, incurred by the Company in providing such facilities.			(T) (T)

*Additional codes appear in departmental practices.

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By Connie Browning, President, Cleveland, Ohio

1. CHANNELS (cont'd)

1.2 Classification and Rates (Cont'd)

1.2.5 Series 6000 Channels (Cont'd)

C. Rates (Cont'd)

2. Local Service Area Channels (Cont'd)

b. Where the stations are on non-continuous property (C)

The following rates are applicable to channels provided in those (T)
central office areas that are designated in Part 15, Section 1, (T)
paragraph V3. (D)

		Monthly		
		Rate	USOC	
(1)	Two point channels			
(a)	Non-equalized			
	First 1/4 mile or fraction thereof	\$12.70	1LNH4	(C)
	Each additional 1/4 mile or fraction thereof	4.80		(C)
(b)	Equalized with approximate frequency range of			
(i)	100 to 5,000 Hertz			
	First 1/4 mile or fraction thereof	13.85	1LG3Y ^{/2/}	(C)
	Each additional 1/4 mile or fraction thereof	5.30	1LUGR ^{/2/}	(C)
(ii)	50 to 8,000 Hertz			
	First 1/4 mile or fraction thereof	13.85	1LG4Y ^{/2/}	(C)
	Each additional 1/4 mile or fraction thereof	5.70	1LNH7 ^{/2/}	(C)
(iii)	50 to 15,000 Hertz			
	First 1/4 mile or fraction thereof	15.00	1LG7Y ^{/2/}	(C)
	Each additional 1/4 mile or fraction thereof	6.25	1LNH8 ^{/2/}	(C)

/1/ Also cancels Original Pricing List Sheet No. 39 in this Section.

/2/ Additional codes appear in departmental practices. (T)

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1. CHANNELS (cont'd)

1.2 Classification and Rates (Cont'd)

1.2.5 Series 6000 Channels (Cont'd)

C. Rates (Cont'd)

2. Local Service Area Channels (Cont'd)

b. Where the stations are on non-continuous property (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>USOC</u>
(2) Multipoint channel, per channel Plus - Circuit rate per section, each 1/4 mile, or fraction thereof	\$7.50	-	677
(a) Non-equalized	4.80	-	1LGUY ^{/1/}
(b) Equalized with approximate frequency range of			
(i) 100 to 5,000 Hertz	5.30	-	1LG5R ^{/1/}
(ii) 50 to 8,000 Hertz	5.70	-	1LG8R ^{/1/}
(iii) 50 to 15,000 Hertz	6.25	-	1LG1R ^{/1/}
Distribution	140.75	\$864.10	67R
(3) Where the necessary facilities are not available and cannot be provided by the Company without incurring abnormal expense, the applicant shall also be required to pay such portion of the abnormal expense, in excess of the nonrecurring charge, incurred by the Company in providing such facilities.			(T) (T)

/1/ Additional codes appear in departmental practices.

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By Connie Browning, President, Cleveland, Ohio

1. CHANNELS (cont'd)

1.2 Classification and Rates (Cont'd)

1.2.5 Series 6000 Channels (Cont'd)

C. Rates (Cont'd)

3. Moves and Changes

a. Equalization charge

- (1) The following charge applies to channels provided in those central office areas that are not designated in Part 15, Section 1, paragraph V3.

(T)
(T)

Nonrecurring
Charge

Each two point channel and each section
of a multi-point channel or two such
channels or sections between the same
points and equalized at the same time \$ 100.35

- (2) The following charge applies to channels provided in those central office areas that are designated in Part 15, Section 1, paragraph V3.

(T)
|
(T)

(D)
|
(D)

Each two point channel and each section
of a multi-point channel or two such
channels or sections between the same
points and equalized at the same time \$ 100.35

(C)

4. Amplifiers

Amplifiers, where required, will be furnished with local or local service area channels at rates or charges based upon costs incurred.

/1/ Also cancels Original Pricing List Sheet No. 41 in this Section.

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By J. F. Woods, President, Cleveland, Ohio

2. ALTERNATE USE ARRANGEMENTS (cont'd)

Subject to the provisions in Section 1 preceding, the Company will provide private line service to permit different types of transmission on an alternate use basis. The type of transmission for which such service may be used and the charges applicable for such use are as set forth below. The customer must provide a transfer key to permit the customer to switch from one type of operation to another. Generally only one type of operation can be used at one time. Regulations applicable to a particular type of operation apply during the period the service is used for that type of operation. The alternate use charges specified are in addition to all other charges applicable for the type of channel required. The charges applicable for the type of channel are those specified for monthly service. (T)

2.1 Series 1000 Channels

A. Alternate use of Teletypewriter up to 75 Bauds and Remote Metering, Supervisory control and Miscellaneous Signaling Purposes (Type 1001 and Type 1002A)

1. Channel type required: 1002B/1002C/1005

2. This alternate use, furnished only where channel terminal facilities are provided by the Company, is available on two point services. On services involving more than two points, it will be permitted where facility conditions permit. (T)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>USOC</u>
3. Alternate use, per termination	\$3.05	\$39.20	TYW ^{/1/}
4. Additional facilities required on multipoint service will be furnished based upon costs incurred by the Company.			(T)

B. Alternate use of Teletypewriter up to 75 Bauds and Data up to 75 Bauds

1. Channel type required: 1002B/1002C/1005

2. This alternate use is available on two-point half duplex service only. It may be provided for the same or lesser grade of transmission

3. Each station arranged for alternate use 46.15 - TYV^{/1/}

/1/ Additional codes appear in departmental practices.

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By Connie Browning, President, Cleveland, Ohio

2. ALTERNATE USE ARRANGEMENTS (Cont'd)

2.2 Series 2000 Channels (Cont'd)

- A. Alternate use of Voice and Remote Metering, Supervisory Control and Miscellaneous Signaling Purposes (Type 1001, 1002A and 3001)
1. Channel type required: 2001
 2. This alternate use, furnished only where channel terminal facilities are provided by the Company, is available on two-point services. On services involving more than two points alternate use will be permitted where facilities permit. (T)
 3. For rate and charge, see 2.1.A preceding.
 4. Additional facilities required on multipoint service, if not detrimental to any of the services furnished by the Company, will be furnished based upon costs incurred. (T)
- B. Alternate use of Voice and Teletypewriter up to 75 Bauds
1. Channel type required: 2001
 2. This alternate use is available on two point half duplex services. On services involving more than two points, it will be permitted where facility conditions permit.
 3. For monthly rate, see 2.1.B preceding.
 4. Additional facilities required on multipoint service, if not detrimental to any of the services furnished by the Company, will be furnished based upon costs incurred. (T)
- C. Alternate use of Voice and Teletypewriter up to 150 Bauds
1. Channel type required: 2001
 2. This alternate use is available on half-duplex interexchange two-point services. Where such services involve more than two points, alternate use is permitted where facility conditions permit.
 3. For monthly rate, see 2.1.B preceding.
 4. Additional facilities required on multipoint service, if not detrimental to any of the services furnished by the Company, will be furnished based upon costs incurred. (T)

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By Connie Browning, President, Cleveland, Ohio

2. ALTERNATE USE ARRANGEMENTS (cont'd)

2.2 Series 2000 Channels (Cont'd)

D. Alternate use of Voice and Data up to 75 Bauds

1. Channel type required: 2001
2. This alternate use is available on half-duplex interexchange two point services only.
3. For monthly rate, see 2.1.B preceding.

E. Voice private line service used alternately as interexchange circuit in connection with Foreign Exchange Service

1. Channel type required: 2001
2. Foreign exchange operation is available only between two points on interexchange private line service.
3. In addition to the rates and charges specified in this tariff for private line service, this alternate use arrangement requires the application of regulations, rates and charges for foreign exchange service (except the rates and charges related to the interexchange circuits) set forth in Part 4, Section 3 of this tariff, plus the following:

Manual Operation	Monthly Rate	Nonrecurring Charge	USOC	
a. Each station of private line service connected for alternate use	\$40.40	\$21.05	37J	(D)
Type 1001 control channel, per transfer key	See 1.2.4 preceding			
b. Foreign exchange service intercept channel between the central office from which the foreign exchange service is furnished and the customer's premises, at rates specified in Part 4, Section 3 of this tariff.				
In lieu of an intercept channel, at the customer's option, trunk make busy equipment may be provided on the exchange service line under the provisions of Part 8, Section 8 of this tariff.				
(1) Circuit busy visual indicating arrangement	34.60	528.35	37H	(C)
(2) Type 1001 control channel per arrangement	See 1.2.4 preceding			

/1/ Also cancels Original Pricing List Sheet No. 44 in this Section.

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By J. F. Woods, President, Cleveland, Ohio

2. ALTERNATE USE ARRANGEMENTS (cont'd)

2.3 Series 3000 Channels

A. Alternate Use - Voice and Data - Type 3002

1. Channel type required: 3002
2. This alternate use is available on interexchange two point services only.

(D)

3. Alternate use, per station	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>USOC</u>
Duplex	\$5.40	\$70.35	3AG

(C)

/1/ Also cancels 1st Revised Pricing List Sheet No. 45 in this Section.

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By J. F. Woods, President, Cleveland, Ohio

Tariff

PART 15 - Dedicated Communications Services
SECTION 2 -Channel Services

Original Sheet No. 46

3. CHANNEL CONDITIONING

3.1 Channel conditioning is provided on Types 2001 and 3002 channels

The following rates and charges are applicable to channels provided in those central office areas that are not designated in Paragraph 2.8 of Section 1 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>USOC</u>
A. Type C1 conditioning			
1. On a two point or multipoint channel within the same exchange area, each channel	\$ 30.00	\$ 25.40	QA9
2. On a two point or multipoint channel with stations in 2 exchange areas			
a. First station in an exchange area	30.00	25.40	QAB
b. Additional stations and additional terminations in the same exchange areas as the first station, each	17.60	25.40	QAC
3. On a multipoint channel with stations in 3 or more exchange areas			
a. First station in an exchange area	60.00	61.15	QAD
b. Additional stations and additional terminations in the same exchange area as the first station, each	17.60	25.40	QAE
B. Type C2 conditioning			
1. On a two point or multipoint channel within the same exchange area, each channel	110.75	61.15	QAF
2. On a two point or multipoint channel with stations in 2 exchange areas			
a. First station in an exchange area	110.75	61.15	QAG
b. Additional stations and additional terminations in the same exchange area as the first station, each	17.60	25.40	QAH
3. On a multipoint channel with stations in 3 or more exchange areas			
a. First station in an exchange area	140.75	125.75	QAJ
b. Additional stations and additional terminations in the same exchange area as the first station, each	17.60	25.40	QAK

Material formerly appeared in Private Line Service Tariff, 6th Revised Sheet No. 106

Issued: October 2, 1995

Effective: October 2, 1995

In accordance with Case No. 95-815-TP-ATA, issued September 1, 1995.

By J. F. Woods, President, Cleveland, Ohio

3. CHANNEL CONDITIONING (cont'd)

3.1 Channel conditioning is provided on Types 2001 and 3002 channels (Cont'd)

The following rates and charges are applicable to channels provided in those central office areas that are designated in Part 15, Section 1, paragraph V3.

(T)
|
(T)
(D)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>USOC</u>	
A. Type C1 conditioning				
1. On a two point or multipoint channel within the same exchange area, each channel	\$ 30.00	\$ 25.40	QA9	(C)
2. On a two point or multipoint channel with stations in 2 exchange areas				
a. First station in an exchange area	30.00	25.40	QAB	(C)
b. Additional stations and additional terminations in the same exchange areas as the first station, each	17.60	25.40	QAC	(C)
3. On a multipoint channel with stations in 3 or more exchange areas				
a. First station in an exchange area	60.00	61.15	QAD	(C)
b. Additional stations and additional terminations in the same exchange area as the first station, each	17.60	25.40	QAE	(C)
B. Type C2 conditioning				
1. On a two point or multipoint channel within the same exchange area, each channel	110.75	61.15	QAF	(C)
2. On a two point or multipoint channel with stations in 2 exchange areas				
a. First station in an exchange area	110.75	61.15	QAG	(C)
b. Additional stations and additional terminations in the same exchange area as the first station, each	17.60	25.40	QAH	(C)
3. On a multipoint channel with stations in 3 or more exchange areas				
a. First station in an exchange area	140.75	125.75	QAJ	(C)
b. Additional stations and additional terminations in the same exchange area as the first station, each	17.60	25.40	QAK	(C)

/1/ Also cancels Original Pricing List Sheet No. 47 in this Section.

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In accordance with Opinion and Order in Case No. 93-487-TP-ALT, issued by The Public Utilities Commission of Ohio, dated April 27, 2000.

By J. F. Woods, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 2 -Channel Services

Original Sheet No. 48

3. CHANNEL CONDITIONING (Cont'd)

3.1 Channel conditioning is provided on Types 2001 and 3002 channels (Cont'd)

C. Type C4 conditioning

Type C4 conditioning is limited to channels with a maximum of 3 terminations, i.e., a two point channel with 1 additional termination or a 3 point multipoint Channel without additional terminators. One termination is designated by the customer as the point and each of the other 2 terminations.

1. The following rates and charges are applicable to channels provided in those central office areas that are not designated in Paragraph 2.8 of Section 1 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>USOC</u>
a. On a channel within the same exchange area, each channel	\$166.15	\$125.75	QA3
b. On a channel between exchange areas, each station or termination	166.15	125.75	QA7

2. The following rates and charges are applicable to channels provided under the provisions of Paragraph 2.4.9 of Section 1 preceding.

Material formerly appeared in Private Line Service Tariff, 7th Revised Sheet No. 107, Original Sheet No. 107.1

Issued: October 2, 1995

Effective: October 2, 1995

In accordance with Case No. 95-815-TP-ATA, issued September 1, 1995.

By J. F. Woods, President, Cleveland, Ohio

3. CHANNEL CONDITIONING (cont'd)

3.1 Channel conditioning is provided on Types 2001 and 3002 channels (Cont'd)

C. Type C4 Conditioning (Cont'd)
2. (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>USOC</u>	(D)
a. On a channel within the same exchange area, each channel	\$166.15	\$125.75	QA3	(C)
b. On a channel between exchange areas, each station or termination	166.15	125.75	QA7	(C)

D. Type D1 (high performance) conditioning

1. The following rates and charges are applicable to channels provided in those central offices that are not designated in Part 15, Section 1, paragraph V3. (T)
(T)

Type D1 (high performance) conditioning
for Type 3002 duplex channels

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>USOC</u>
On a two point channel not arranged for switching, each channel	45.00	281.50	QHA

2. The following rates and charges are applicable to channels provided in those central offices that are designated in Part 15, Section 1, paragraph V3. (T)
(T)

Type D1 (high performance) conditioning
for Type 3002 duplex channels

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>USOC</u>	(D)
On a two point channel not arranged for switching, each channel	45.00	281.50	QHA	(C)

/1/ Also cancels Original Pricing List Sheet No. 49 in this Section.

Issued: May 26, 2000

Effective: May 27, 2000

In accordance with Opinion and Order in Case No. 93-487-TP-ALT, issued by The Public Utilities Commission of Ohio, dated April 27, 2000.

By J. F. Woods, President, Cleveland, Ohio

PART 15 – SECTION 2

EXHIBIT B

PART 15 - Dedicated Telecommunications Services
SECTION 2 - Channel Services

Original Sheet A

Material now located in the AT&T Ohio Guidebook, Part 15, Section 2.

(N)

Issued: April 1, 2008

Effective: April 1, 2008

In accordance with an Order issued by the Public Utilities Commission of Ohio, dated June 6, 2007,
Case No. 06-1345-TP-ORD.

By Connie Browning, President, Cleveland, Ohio

TFA No. OH-08-18005

PART 15 – SECTION 3

EXHIBIT A

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

2nd Revised Sheet No. 1
Cancels
1st Revised Sheet No. 1 (T)

1. BASE RATE SERVICE

(T)

A. DESCRIPTION

Base Rate Service provides for the simultaneous two-way transmission of synchronous digital signals at speeds of 2.4, 4.8, 9.6, 19.2, 56, or 64 Kbps. The service is available in either two-point or multi-point configurations, except for 64 Kbps service which is available only in a two-point configuration. The service is available between: (T)

- Customer-designated premises.
- Customer-designated or Other Telecommunications Carriers (OTC) premises to the premises of an OTC for connection to the services or facilities of the OTC.
- Company wire centers for interconnecting Base Rate Services, 128, 256 and 384 Services, DS1 Service and DS3 Service channels of two NRS systems via channel mileage and channel mileage terminations. (T)
(T)
- Company wire centers for interconnecting central office multiplexers.
- Customer-designated premise and a Company wire center;
 - where multiplexing, bridging, hubbing, or cross-connection functions are performed.
 - for connection to Optical Interconnection Service via central office multiplexing.
 - for connection to Network Reconfiguration Service (NRS). (T)

Issued: March 25, 2004

Effective: March 25, 2004

In accordance with an Order issued by the Public Utilities Commission of Ohio, dated January 6, 2003, Case No. 02-3069-TP-ALT.

By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

2nd Revised Sheet No. 2
Cancels
1st Revised Sheet No. 2 (T)

1. BASE RATE SERVICE (cont'd) (T)

A. DESCRIPTION

Multi-point bridging is an optional broadcast polling arrangement which consists of a single master station and two or more remote stations. Transmissions from the master station are received by all remote stations. Transmissions from the remote stations are received only by the master station.

For the optional secondary channel feature, the following transmission speeds as they relate to Base Rate Service apply: (T)

Base Rate Service	Secondary Channel	(T)
2.4 Kbps	133.0 Bps	
4.8 Kbps	266.0 Bps	
9.6 Kbps	533.0 Bps	
19.2 Kbps	1.066 Kbps	
56.0 Kbps	2.66 Kbps	

B. DEFINITIONS

Multipoint Bridging

This capability provides communications between three or more Base Rate Service locations. (T)

Secondary Channel

Secondary channel provides a companion channel over the same facility used to provide the primary channel, but at a lower bit rate.

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

2nd Revised Sheet No. 3
Cancels
1st Revised Sheet No. 3 (T)

1. BASE RATE SERVICE (cont'd) (T)

C. TERMS AND CONDITIONS

1. Multi-point bridging for Base Rate Services at speeds of 2.4, 4.8, 9.6, 19.2 and 56 Kbps are only available from appropriately equipped wire centers. Customers must choose their bridging locations from those equipped offices. A service inquiry must be made to determine availability of service. (T)
2. Multi-point bridging is not available for Base Rate Service at 64 Kbps. (T)
3. For multi-point bridging, the mileage to be used in determining the monthly rate for the channel mileage is calculated on the airline distance between the serving wire center of each customer designated premises and a wire center bridging location, plus the airline distance between multiple bridging locations, where applicable. When a multi-point service is connected to a central office multiplexer, the mileage calculation will also include the airline distance between a bridging location and a central office multiplexer location.
4. Base Rate Service is provided at the option of the Company where facilities permit. If appropriate facilities are not available, **Special Construction** charges may apply. (T)

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

2nd Revised Sheet No. 4
Cancels
1st Revised Sheet No. 4 (T)

1. BASE RATE SERVICE (cont'd)

(T)

C. TERMS AND CONDITIONS

5. For optional Secondary Channel:

- Secondary channel is not available with 64 Kbps service.
- While the primary and secondary channels operate independent of each other, they must co-terminate in common customer equipment.
- When a multi-point circuit is provisioned to utilize secondary channel, all stations on the multi-point circuit must be equipped with secondary channel capability.
- The secondary and primary channels operate independently of each other, over the same facilities, and must be co-terminated in customer common equipment.

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

2nd Revised Sheet No. 5
Cancels
1st Revised Sheet No. 5 (T)

1. **BASE RATE SERVICE (cont'd)** (T)

D. FEATURES

1. **Optional Features**

Network Reconfiguration Service (T)

Base Rate Service is available for use with Network Reconfiguration Service. (T)

Central Office Multiplexing and Cross Connect Services

These optional services are available with Base Rate Service. Refer to Central Office Multiplexing and Cross Connect Services later in this Section. (T)

Error Correction

This feature is available in conjunction with an Base Rate Service channel operating at a speed of 2.4, 4.8, 9.6 or 19.2 Kbps. It is available in either point-to-point or multipoint configurations, except for 19.2 Kbps service which is available only in a point-to-point configuration. (T)

Multi-Point Bridging

Provides for communications capability between three or more Base Rate Service locations. (T)

Secondary Channel

This feature is available in conjunction with an Base Rate channel operating at a speed of 2.4, 4.8, 9.6, 19.2 or 56 Kbps (considered the primary channel) and provides a companion channel over the same facility used to provide the primary channel, but at a lower speed. (T)

Shared Network Arrangement

Base Rate Service is available under a Shared Network Arrangement. (T)

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Telecommunications Services
SECTION 3 - Base Rate through OC-n Services

3rd Revised Sheet 6
Cancels 2nd Revised Sheet 6

1. BASE RATE SERVICE (cont'd)

E. Technical References

Performance parameters for Base Rate Service may be found in the Technical References listed below.

All signals generated by Network Channel Terminating Equipment (NCTE) must meet the signal and format constraints contained in Telcordia Technologies (formerly known as Bellcore) Publication GR-54-CORE. This document also contains the specifications for Clear Channel Capability.

<u>Subject</u>	<u>Technical Reference</u>
Ameritech OPTINET 64 Interface Specifications	AM TR-OAT-000070
Ameritech Digital Service Transmission Parameters	AM TR-TMO-000101
Digital Data Special Access Service Transmission Parameters and Interface Combinations	TR-NWT-000341 (Telcordia)
High-Capacity Digital Service (1.544 Mbps) Interface Generic Requirements for End Users	

The Technical Reference(s) can be obtained from:

APEX Support Team
(734) 523-7348

(T)
(T)

The Telcordia Publication(s) can be obtained from:

Telcordia Technologies, Inc.
8 Corporate Place, PYA 3A-184
Piscataway, New Jersey 08854-4156

Issued: November 2, 2007

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In accordance with an Order issued by the Public Utilities Commission of Ohio, dated January 6, 2003,
Case No. 02-3069-TP-ALT.

By Connie Browning, President, Cleveland, Ohio

TFA No. OH-07-17688

THE OHIO BELL
TELEPHONE COMPANY

AT&T

Tariff

P.U.C.O. NO. 20

PART 15

SECTION 3

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

8th Revised Sheet No. 7

Cancels

7th Revised Sheet No. 7

1. BASE RATE SERVICE (cont'd)

F. PRICES

1. Service Elements (cont'd)

Description /Billing Code/	Nonrecurring Charge	(D)
Administrative Charge - per order /ORCMX/	\$ 60.00	(C)
Design and Central Office Connection Charge - per circuit /NRBCL/	187.00	(C)
Customer Connection Charge - per termination /NRBBL/	240.00	(C)

(D)

(D)

Issued: December 1, 2006

Effective: December 1, 2006

In accordance with an Order issued by the Public Utilities Commission of Ohio, dated January 6, 2003, Case No. 02-3069-TP-ALT.

By Connie Browning, President, Cleveland, Ohio

1. BASE RATE SERVICE (cont'd)

F. Prices (cont'd)

(T)

1. Service Elements (cont'd)

Description /Billing Code/	Monthly Payment			
	Term Payment Plans ^{/1/}			Monthly
	12 Months	36 Months	60 Months	
Local Distribution Channel				
- per point of termination /T6ECS/	\$103.00	\$88.00	\$88.00	\$231.50(l)
Channel Mileage Termination				
- per point of termination /CM6/	17.40	14.00	14.00	\$33.20(l)
Channel Mileage				
- per mile /1L5XX/	1.30	1.20	1.20	\$3.00(l)

/1/ Effective December 1, 2006, Term Payment Plans (TPP) for Base Rate Service are grandfathered. Existing customers may remain on their current plan until the existing term expires. Upon expiration, customers will be charged the current monthly rates.

Issued: October 1, 2007

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By Connie Browning, President, Cleveland, Ohio

TFA No. OH-07-17506

THE OHIO BELL
TELEPHONE COMPANY

SBC
Tariff

P.U.C.O. NO. 20
PART 15 **SECTION 3**

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

4th Revised Sheet No. 9
Cancels
3rd Revised Sheet No. 9 (T)

1. **BASE RATE SERVICE (cont'd)** (T)

F. PRICES (cont'd)

1. Service Elements (cont'd)

The following charges apply to channels provided in those Central
Offices that are not designated in paragraph V.3 of Section 1 preceding.

<u>Description/Billing Code/</u>	<u>Nonrecurring Charge</u>
----------------------------------	----------------------------

Optional Features and Functions

Shared Network Arrangement

- processing charge, per order /NRBOP/

\$36.00

Issued: March 25, 2004

Effective: March 25, 2004

In accordance with an Order issued by the Public Utilities Commission of
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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

8th Revised Sheet No. 10
Cancels
7th Revised Sheet No. 10

1. BASE RATE SERVICE (cont'd)

F. PRICES

1. Service Elements (cont'd)

Description /Billing Code/	Monthly Payment			(C)
	Term Payment Plans ^{/1/}			
	12 Months	36 Months	60 Months	
				Monthly
<u>Optional Features and Functions (cont'd)</u>				
Multi-Point Bridging				
- per port /B5NGF/	\$28.00	\$28.00	\$28.00	\$28.00
<u>Secondary Channel</u>				
- per local distribution channel /SCA/				0.00

/1/ Effective December 1, 2006, Term Payment Plans (TPP) for Base Rate Service are grandfathered. Existing customers may remain on their current plan until the existing term expires. Upon expiration, customers will be charged the current monthly rates. (N)
(N)

Issued: December 1, 2006

Effective: December 1, 2006

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

4th Revised Sheet No. 11
Cancels
3rd Revised Sheet No. 11

1. BASE RATE SERVICE (cont'd)

F. PRICES

2. Payment Plans

• **Month to Month**

Base Rate Service is available on a month to month basis.

• **Term Payment Plans**^{/1/}

Base Rate Service is available under the Term Payment Plan (TPP) whereby customers must select either a 12, 36 or 60 month period. After the selected Term Payment Plan period is satisfied, the monthly rate will apply unless a new TPP is selected. Refer to **Term Payment Plans** in Part 15, Section 1.

(C)

• **Single Payment Option (SPO)**

A Single Payment Option is available for this service. Refer to **Term Payment Plans - Single Payment Option** in Part 15, Section 1.

3. Termination Charges

Termination Charges will apply to service terminated prior to the contracted period. The termination charge for all TPP terms^{/1/} for Base Rate Service will be calculated as described in **Term Payment Plans - Termination Charges** in Part 15, Section 1.

(C)

/1/ Effective December 1, 2006, Term Payment Plans (TPP) for Base Rate Service are grandfathered. Existing customers may remain on their current plan until the existing term expires. Upon expiration, customers will be charged the current monthly rates.

(N)

(N)

Issued: December 1, 2006

Effective: December 1, 2006

In accordance with an Order issued by the Public Utilities Commission of Ohio, dated January 6, 2003, Case No. 02-3069-TP-ALT.

By Connie Browning, President, Cleveland, Ohio

THE OHIO BELL
TELEPHONE COMPANY

SBC
Tariff

P.U.C.O. NO. 20

PART 15	SECTION 3
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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

3rd Revised Sheet No. 12
Cancels
2nd Revised Sheet No. 12 (T)

1. **BASE RATE SERVICE (cont'd)** (T)

F. PRICES (cont'd)

4. Credit Allowance

A credit allowance will be given for failure to meet the installation interval service date or for interruption of service. Refer to Credit Allowances in Part 15, Section 1 for calculating credit allowances.

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Effective: March 25, 2004

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-*n* Services

2nd Revised Sheet No. 13
Cancels
1st Revised Sheet No. 13 (T)

2. 128, 256 and 384 SERVICE (T)

A. DESCRIPTION

128, 256 and 384 Service provides for the simultaneous two-way transmission of a serial, bipolar, return-to-zero, isochronous digital signal at speeds of 128, 256 and 384 Kbps. The service is available in a two-point configuration only between; (T)

- Two customer-designated premises.
- A customer designated premise and a Company wire center where cross-connection or hubbing is performed.
- A customer designated premise and a Company wire center for termination in a DS3 or DS1/128, 256 or 384 Central Office Multiplexer, NRS system, or for connection to Optical Interconnection Service. (T) (T)
- Two Company offices when connecting two NRS systems via Base Rate Service, 128, 256 or 384 Service, DS1 Service, and DS3 Service channel mileage and channel mileage terminations to interconnect Base Rate Services, 128, 256 or 384 Services, DS1 Service, DS3 service channels included in the customer's database for the NRS. (T) (T)

B. DEFINITIONS

DS1

A service which provides for the simultaneous two-way transmission of a serial, bipolar, return-to-zero, isochronous digital signal at a terminating bit rate of 1.544 megabits per second (Mbps). Timing is provided by the Company through the Company's facilities to the customer in the receiving bit stream.

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

3rd Revised Sheet No. 14
Cancels
2nd Revised Sheet No. 14 (T)

2. 128, 256 and 384 SERVICE (cont'd) (T)

C. TERMS AND CONDITIONS

1. 128, 256 and 384 Service is provided at the option of the Company where facilities permit. If appropriate facilities are not available, **Special Construction** charges may apply. (T)
2. **Rate Zone Wire Center Assignment**
Each Company wire center has been assigned to a Rate Zone. A table listing all Rate Zone assignments can be found in Part 15, Section 1, Paragraph X of this tariff.

D. FEATURES

1. Optional Features

Network Reconfiguration Service

128, 256 and 384 Service is available for use with Network Reconfiguration Service. (T)

Central Office Multiplexing and Cross Connect Services

These optional services are available with 128, 256 and 384 Service. (T)
Refer to Central Office Multiplexing and Cross Connect Services later in this Section.

Shared Network Arrangement

128, 256 and 384 Service is available for connection to a host's central office multiplexer. (T)

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PART 15 - Dedicated Telecommunications Services
SECTION 3 - Base Rate through OC-n Services

3rd Revised Sheet 15
Cancels 2nd Revised Sheet 15

2. 128, 256 and 384 SERVICE (cont'd)

E. Technical References

Performance parameters for 128, 256 and 384 Service may be found in the Technical References listed below.

All signals generated by Network Channel Terminating Equipment (NCTE) must meet the signal and format constraints contained in Telcordia Technologies (formerly known as Bellcore) Publication GR-54-CORE. This document also contains the specifications for Clear Channel Capability.

<u>Subject</u>	<u>Technical Reference</u>
Service Description and Interface Requirements for Ameritech FT-1 Digital Service	AM TR-TMO-000106
High-Capacity Digital Service (1.544 Mbps) Interface Generic Requirements for End Users	GR-54-CORE (Telcordia)

The Technical Reference(s) can be obtained from:

APEX Support Team
(734) 523-7348

(T)
(T)

The Telcordia Publication(s) can be obtained from:

Telcordia Technologies, Inc.
8 Corporate Place, PYA 3A-184
Piscataway, New Jersey 08854-4156

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

5th Revised Sheet No. 16
Cancels
4th Revised Sheet No. 16 (T)

2. 128, 256 and 384 SERVICE (cont'd) (T)

F. PRICES

1. Service Elements

The following charges apply to channels provided in those Central Offices that are not designated in paragraph V.3 of Section 1 preceding.

Description/Billing Code/	Nonrecurring Charge
Administrative Charge^{/1/}	
- per order	
Zone 1 /NRBA1/	\$ 60.00
Zone 2 /NRBA2/	60.00
Zone 3 /NRBA3/	60.00
Design and Central Office Connection Charge^{/1/}	
- per circuit	
Zone 1 /NRBD1/	144.00
Zone 2 /NRBD2/	144.00
Zone 3 /NRBD3/	165.00
Customer Connection Charge^{/1/}	
- per termination	
Zone 1 /NRBB1/	213.00
Zone 2 /NRBB2/	213.00
Zone 3 /NRBB3/	240.00

/1/ For those customers who choose a Term Payment Plan (TPP) period of 36 months or greater in length for new installations, the Administrative Charge, Design and Central Office Connection Charge and Customer Connection Charge will not apply. However, customers requesting termination of service prior to the completion of a minimum of 36 months of a 36 month or greater TPP term will become liable for payment of Nonrecurring Charges described above.

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

8th Revised Sheet 17
Cancels 7th Revised Sheet 17

2. 128, 256 and 384 SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

Description /Billing Code/	Monthly Payments			Monthly
	Term Payment Plans			
	12 Months	36 Months	60 Months	
Local Distribution Channel				
- per point of termination				
Zone 1 /TZ4X1/	\$250.00	\$150.00	\$135.00	\$325.00(I)
Zone 2 /TZ4X2/	260.00	155.00	140.00	340.00
Zone 3 /TZ4X3/	275.00	170.00	150.00	365.00(I)
Channel Mileage Termination				
- per point of termination				50.00
Zone 1 /CZ4X1/				50.00
Zone 2 /CZ4X2/				50.00
Zone 3 /CZ4X3/				
Channel Mileage				
- per mile				12.00
Zone 1 /1YZX1/				12.00
Zone 2 /1YZX2/				12.00
Zone 3 /1YZX3/				

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By Connie Browning, President, Cleveland, Ohio

THE OHIO BELL
TELEPHONE COMPANY

SBC
Tariff

P.U.C.O. NO. 20
PART 15 **SECTION 3**

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

5th Revised Sheet No. 18
Cancels
4th Revised Sheet No. 18 (T)

2. 128, 256 and 384 SERVICE (cont'd) (T)

F. PRICES (cont'd)

1. Service Elements (cont'd)

The following charges apply to channels provided in those Central
Offices that are not designated in paragraph V.3 of Section 1 preceding.

Description /Billing Code/	Nonrecurring Charge
----------------------------	------------------------

Optional Features and Functions

Shared Network Arrangement	
- processing charge, per order /NRBOP/	\$36.00

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By Connie Browning, President, Cleveland, Ohio

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

3rd Revised Sheet No. 19
Cancels
2nd Revised Sheet No. 19 (T)

2. 128, 256 and 384 SERVICE (cont'd) (T)

F. PRICES (cont'd)

2. Payment Plans

- **Month to Month**
128, 256 and 384 Service is available on a month to month basis. (T)
- **Term Payment Plans**
128, 256 and 384 Service is available under the Term Payment Plan (TPP) whereby customers must select either a 12, 36 or 60 month period. After the selected Term Payment Plan period is satisfied, the monthly rate will apply unless a new TPP is selected. Refer to **Term Payment Plans** in Part 15, Section 1. (T)
- **Single Payment Option (SPO)**
A Single Payment Option is available for this service. Refer to **Term Payment Plans - Single Payment Option** in Part 15, Section 1.

3. Termination Charges

Termination Charges will apply to service terminated prior to the contracted period. The termination charge for all TPP terms for 128, 256 and 384 Service will be calculated as described in **Term Payment Plans - Termination Charges** in Part 15, Section 1. (T)

Issued: March 25, 2004

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By Connie Browning, President, Cleveland, Ohio

THE OHIO BELL
TELEPHONE COMPANY

SBC
Tariff

P.U.C.O. NO. 20
PART 15 **SECTION 3**

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

3rd Revised Sheet No. 20
Cancels
2nd Revised Sheet No. 20 (T)

2. 128, 256 and 384 SERVICE (cont'd) (T)

F. PRICES (cont'd)

4. Credit Allowance

A credit allowance will be given for failure to meet the installation interval service date or for interruption of service. Refer to Credit Allowances in Part 15, Section 1 for calculating credit allowances.

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PART 15 - Dedicated Communications Services
SECTION 3 - Ameritech Base Rate through OC-n
Services

3rd Revised Sheet No. 21
Cancels
2nd Revised Sheet No. 21

3. DS1 SERVICE

(C)

A. DESCRIPTION

DS1 Service provides for the simultaneous two-way transmission of a serial, bipolar, return-to-zero, isochronous digital signal at a terminating bit rate of 1.544 megabits per second (Mbps).

(C)

The service is available in a point-to-point configuration between;

- Two customer-designated premises
- A Company wire center or customer-designated premise and a Company wire center where multiplexing, hubbing or cross-connection functions are performed
- Two Centrex locations
- The patron of an Interconnector and a Company wire center for connection to Optical Interconnection Service
- A customer-designated or Other Telecommunications Carriers (OTC) premises to the premises of a OTC for connection to the services or facilities of the OTC
- A customer-designated premise and an Network Reconfiguration Service (NRS) system location, or between two NRS system locations
- A customer-designated premise and a Company wire center;
 - For access to Centrex
 - For digital trunk access with Digital Trunking Service or ISDN Prime Service
 - For interconnection to Voice Gateway type network equipment

(C)

(C)

(C)

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

2nd Revised Sheet No. 22
Cancels
1st Revised Sheet No. 22

(C)

3. DS1 SERVICE (cont'd)

(C)

B. DEFINITIONS

Extended Superframe (ESF) Format

A signaling framing format for DS1 services consisting of frames with 192 information digit time slots preceded by a one digit time slot containing a Frame (F) bit. The ESF framing format consists of 24 consecutive frames as above in a structure where the F bits are divided into three groups used for framing, monitoring and datalink functions according to detailed specifications contained in industry standard ANSI T1.403-1995.

Superframe (SF or D4) Format

A signal framing format for DS1 services consisting of frames with 192 information digit time slots preceded by a one digit time slot containing a Frame (F) bit. The SF or D4 framing format consists of twelve consecutive frames as above in a structure where the F bits are used for framing only and are divided into two groups used for terminal framing and signaling framing functions according to detailed specifications contained in industry standard ANSI T1.403-1995.

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

3rd Revised Sheet No. 23
Cancels
2nd Revised Sheet No. 23

(C)

3. DS1 SERVICE (cont'd)

(C)

C. TERMS AND CONDITIONS

1. DS1 Service is provided at the option of the Company where facilities permit. If appropriate facilities are not available, **Special Construction** charges may apply.

(C)

2. **Rate Zone Wire Center Assignment**

Each Company wire center has been assigned to a Rate Zone. A table listing all Rate Zone assignments can be found in Part 15, Section 1, Paragraph X of this tariff.

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

3rd Revised Sheet No. 24
Cancels
2nd Revised Sheet No. 24

(C)

3. DS1 SERVICE (cont'd)

(C)

D. FEATURES

1. Optional Features

Network Reconfiguration Service

DS1 Service is available for use with Network Reconfiguration Service.

(C)

(C)

Central Office Multiplexing and Cross Connect Services

These optional services are available with DS1 Service. Refer to Central Office Multiplexing and Cross Connect Services later in this Section.

(C)

Clear Channel Capability

Is an arrangement which allows a customer to transport 1.536 Mbps of information on a DS1 Service with no constraint on the quantity or sequence of one and zero bits. Clear Channel Capability is a required option when 64 Kbps channels are multiplexed onto DS1 Service. Clear Channel Capability is only provided on non-channelized circuits between two customer premises where facilities permit.

(C)

(C)

Extended Super Frame

Is available as a non-chargeable, customer specified option.

Shared Network Arrangement

DS1 Service is available under a Shared Network Arrangement.

(C)

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

1st Revised Sheet No. 24.1
Cancels
Original Sheet No. 24.1

(C)

3. DS1 SERVICE (cont'd)

(C)

D. FEATURES (cont'd)

1. Optional Features (cont'd)

Special Facility Routing - Local Distribution Channel (LDC) Diversity

Special Facility Routing - LDC Diversity provides a transmission path for services between the customers designated premises (exclusive of the entrance facility) and the serving wire center that is diverse from the normal transmission path. With this arrangement, one or more services will be provisioned over the normal route and one or more services will be provisioned over the diverse route. Special Facility Routing must be ordered at the same time as the DS1 Service is ordered. There are both nonrecurring and monthly charges associated with Special Facility Routing and they are in addition to the normal DS1 Service charges. The transmission specifications and credit allowances for service interruption of services provided via a special facility routing arrangement are the same as for services using normal routing. The minimum service period for a DS1 Service ordered with Special Facility Routing is 12 months. Termination Charges will apply to service terminated prior to the contracted period. The termination charge for Special Facility Routing will be calculated as described in Term Payment Plans - Termination Charges in Part 15, Section 1.

(C)

(C)

(C)

Super Frame

Is available as a non-chargeable, customer specified option.

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3. DS1 SERVICE (cont'd)

E. Technical References

Performance parameters for DS1 Service may be found in the Technical References listed below.

All signals generated by Network Channel Terminating Equipment (NCTE) must meet the signal and format constraints contained in Telcordia Technologies (formerly known as Bellcore) Publication GR-54-CORE. This document also contains the specifications for Clear Channel Capability.

<u>Subject</u>	<u>Technical Reference</u>
Digital Service Transmission Parameters	AM TR-TMO-000101
High Capacity Digital Service (1.544Mbps) Interface Generic Requirements For End Users	GR-54-CORE (Telcordia)
High Capacity Digital Special Access Service Transmission Parameter Limits and Interface Specifications	GR-342-CORE (Telcordia)

The Technical Reference(s) can be obtained from:

APEX Support Team
(734) 523-7348

(T)
(T)

The Telcordia Publication(s) can be obtained from:

Telcordia Technologies, Inc.
8 Corporate Center, PYA 3A-184
Piscataway, New Jersey 08854-4156

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TFA No. OH-07-17688

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

5th Revised Sheet No. 26
Cancels
4th Revised Sheet No. 26

(C)

3. DS1 SERVICE (cont'd)

(C)

F. PRICES

1. Service Elements

The following charges apply to channels provided in those Central
Offices that are not designated in paragraph V.3 of Section 1 preceding.

Description /Billing Code/	Nonrecurring Charge
Administrative Charge^{/1/}	
- per order	
Zone 1 /NRBA1/	\$ 60.00
Zone 2 /NRBA2/	60.00
Zone 3 /NRBA3/	60.00
Design and Central Office Connection Charge^{/1/}	
- per circuit	
Zone 1 /NRBD1/	144.00
Zone 2 /NRBD2/	144.00
Zone 3 /NRBD3/	144.00
Customer Connection Charge^{/1/}	
- per termination	
Zone 1 /NRBB1/	213.00
Zone 2 /NRBB2/	213.00
Zone 3 /NRBB3/	240.00

/1/ For those customers who choose a Term Payment Plan (TPP) period of
24 months or greater in length for new installations, the
Administrative Charge, Design and Central Office Connection Charge and
Customer Connection Charge will not apply. However, customers
requesting termination of service prior to the completion of a minimum
of 24 months of a 24-month or greater TPP term will become liable for
payment of Nonrecurring Charges described above.

(C)

(C)

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By Connie Browning, President, Cleveland, Ohio

3. DS1 SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

Description /Billing Code/	Monthly	Monthly Payment			
		Term Payment Plans			
		12 Months	24 Months	36 Months	60 Months
Local Distribution					
Channel					
- per point of termination					
Zone 1 /TZ4X1/	\$375.00(l)	\$250.00	\$175.00	\$150.00	\$135.00
Zone 2 /TZ4X2/	395.00	260.00	185.00	155.00	140.00
Zone 3 /TZ4X3/	420.00(l)	275.00	205.00	170.00	150.00
Channel Mileage					
Termination					
- per point of termination					
Zone 1 /CZ4X1/	125.00(l)	80.00	57.50	47.50	40.00
Zone 2 /CZ4X2/	125.00	80.00	57.50	47.50	40.00
Zone 3 /CZ4X3/	125.00(l)	80.00	68.25	65.00	60.00
Channel Mileage					
- per mile					
Zone 1 /1YZX1/	43.00(l)	27.50	22.00	19.00	16.50
Zone 2 /1YZX2/	43.00	27.50	22.00	19.00	16.50
Zone 3 /1YZX3/	43.00(l)	27.50	22.00	19.00	16.50

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

6th Revised Sheet No. 28
Cancels
5th Revised Sheet No. 28

(C)

3. DS1 SERVICE (cont'd)

(C)

F. PRICES (cont'd)

1. Service Elements (cont'd)

The following charges apply to channels provided in those Central
Offices that are not designated in paragraph V.3 of Section 1 preceding.

Description /Billing Code/	Nonrecurring Charge
----------------------------	------------------------

Optional Features and Functions

Clear Channel Capability

- per circuit arranged	
Zone 1 /CLYX1/	\$280.00
Zone 2 /CLYX2/	280.00
Zone 3 /CLYX3/	280.00

Shared Network Arrangement

- processing charge, per service order	
Zone 1 /SRNX1/	36.00
Zone 2 /SRNX2/	36.00
Zone 3 /SRNX3/	36.00

Description /Billing Code/	Nonrecurring Charge	Monthly
----------------------------	------------------------	---------

Special Facility Routing - Local
Distribution Channel (LDC) Diversity
- per order /NRBOQ/

\$525.00

- per channel

First Channel	\$65.00
Zone 1 /DJV/	65.00
Zone 2 /DJV/	65.00
Zone 3 /DJV/	

Additional Channel

Zone 1 /DJW/	35.00
Zone 2 /DJW/	35.00
Zone 3 /DJW/	35.00

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

3rd Revised Sheet No. 29
Cancels
2nd Revised Sheet No. 29

(C)

3. DS1 SERVICE (cont'd)

F. PRICES (cont'd)

2. Payment Plans

• **Month to Month**

DS1 Service is available on a month to month basis.

(C)

• **Term Payment Plans**

DS1 Service is available under the Term Payment Plan (TPP) whereby customers must select either a 12, 24, 36 or 60 month period. After the selected Term Payment Plan period is satisfied, the monthly rate will apply unless a new TPP is selected. Refer to **Term Payment Plans** in Part 15, Section 1.

(C)

(C)

• **Single Payment Option (SPO)**

A Single Payment Option is available for this service. Refer to **Term Payment Plans - Single Payment Option** in Part 15, Section 1.

3. Termination Charges

Termination Charges will apply to service terminated prior to the contracted period. The termination charge for all TPP terms for DS1 Service will be calculated as described in **Term Payment Plans - Termination Charges** in Part 15, Section 1.

(C)

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By Connie Browning, President, Cleveland, Ohio

THE OHIO BELL
TELEPHONE COMPANY

SBC
Tariff

P.U.C.O. NO. 20
PART 15 **SECTION 3**

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

3rd Revised Sheet No. 30
Cancels
2nd Revised Sheet No. 30

(C)

3. DS1 SERVICE (cont'd)

(C)

F. PRICES (cont'd)

4. Credit Allowance

A credit allowance will be given for failure to meet the installation interval service date or for interruption of service. Refer to Credit Allowances in Part 15, Section 1 for calculating credit allowances.

Issued: June 9, 2003

Effective: June 9, 2003

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By Connie Browning, President, Cleveland, Ohio

THE OHIO BELL
TELEPHONE COMPANY

SBC
Tariff

P.U.C.O. NO. 20
PART 15 **SECTION 3**

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

4th Revised Sheet No. 31
Cancels
3rd Revised Sheet No. 31

4. DS3 SERVICE

A. DESCRIPTION

DS3 Service is a two-point dedicated service that provides for simultaneous two way transmission of serial, isochronous digital signals at a terminating bit rate of 44.736 Megabits per second (Mbps). The interface to the customer will be an electrical signal. The service is available in a point-to-point configuration between:

- Two customer-designated premises.
- A Company wire center or customer-designated premises and a Company wire center where multiplexing, hubbing or cross-connection functions are performed.
- Company wire centers for termination in central office multiplexers.
- The patron of an Interconnector and a Company wire center for connection to Optical Interconnection Service.
- A customer-designated or Other Telecommunications Carriers (OTC) premises to the premises of an OTC for connection to services or facilities of the OTC.
- A customer-designated premises and a Network Reconfiguration Service (NRS) system location, or between two NRS system locations.

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Effective: June 3, 2003

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By Connie Browning, President, Cleveland, Ohio

THE OHIO BELL
TELEPHONE COMPANY

SBC
Tariff

P.U.C.O. NO. 20
PART 15 SECTION 3

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

4th Revised Sheet No. 32
Cancels
3rd Revised Sheet No. 32

(C)

4. DS3 SERVICE (cont'd)

(C)

B. DEFINITIONS

Local Distribution Channel

Provides interconnection between the Company Serving Wire Center (SWC) and the customer premises. Consists of two rates elements: DS3 Service Packages and DS3 Service Channels.

Issued: June 3, 2003

Effective: June 3, 2003

In accordance with an Order issued by the Public Utilities Commission of Ohio, dated January 6, 2003, Case No. 02-3069-TP-ALT.

By Connie Browning, President, Cleveland, Ohio

The Ohio Bell
Telephone Company

AT&T TARIFF

P.U.C.O. NO. 20
Part 15 Section 3

PART 15 - Dedicated Telecommunications Services
SECTION 3 - Base Rate through OC-n Services

5th Revised Sheet 33
Cancels 4th Revised Sheet 33
and 2nd Revised Sheet 33.1 (N)

4. DS3 SERVICE (cont'd)

/1/

/1/ Material now appears on 6th Revised Sheet 34 in this Section.

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By Connie Browning, President, Cleveland, Ohio

TFA No. OH-07-17688

4. DS3 SERVICE (cont'd)

C. Terms and Conditions

In addition to the Terms and Conditions set forth in Part 15, Section 1, the following applies to /1/
DS3 Service. /1/

1. Rate Zone Wire Center Assignment

Each Company wire center has been assigned to a Rate Zone. A table listing all Rate Zone assignments can be found in Part 15, Section 1, Paragraph X of this Tariff.

2. DS3 Service is provided at the option of the Company where facilities permit. If appropriate facilities are not available, *Special Construction* charges may apply.

/1/ Material formerly appeared on 4th Revised Sheet 33 in this Section.

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TFA No. OH-07-17688

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

4th Revised Sheet No. 35
Cancels
3rd Revised Sheet No. 35

4. DS3 SERVICE (cont'd)

D. FEATURES

1. Optional Features

Network Reconfiguration Service (NRS)

DS3 Service is available for use with Network Reconfiguration Service (NRS).

(T)

Central Office Multiplexing and Cross Connect Services

These optional services are available with DS3 Service. Refer to Central Office Multiplexing and Cross Connect Services later in this Section.

Shared Network Arrangement

A Shared Network Arrangement is available with DS3 Service.

Special Facility Routing - Local Distribution Channel (LDC) Diversity

Special Facility Routing - LDC Diversity provides a transmission path for services between the customers designated premises (exclusive of the entrance facility) and the serving wire center that is diverse from the normal transmission path. With this arrangement, one or more services will be provisioned over the normal route and one or more services will be provisioned over the diverse route. Special Facility Routing must be ordered at the same time as the DS3 Service is ordered. There are both nonrecurring and monthly charges associated with Special Facility Routing and they are in addition to the normal DS3 Service charges. The transmission specifications and credit allowances for service interruption of services provided via a special facility routing arrangement are the same as for services using normal routing. The minimum service period for DS3 Service ordered with Special Facility Routing is 12 months. Termination Charges will apply to service terminated prior to the contracted period. The termination charge for Special Facility Routing will be calculated as described in Term Payment Plans - Termination Charges in Part 15, Section 1.

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By Connie Browning, President, Cleveland, Ohio

4. DS3 SERVICE (cont'd)

E. Technical References

The technical specifications and compatible channel interfaces are set forth in the following technical publications:

<u>Subject</u>	<u>Technical Reference</u>
Digital Service Transmission Parameters	AM TR-TMO-000101
Service Description and Interface Reqt's for OPTINET Optical Service	AM TR-TMO-000072
High Capacity Digital Special Access Service - Transmission Parameter Limits and Interface Specifications	GR-342-CORE (Telcordia)

The Technical Reference(s) can be obtained from:

APEX Support Team
(734) 523-7348

(T)
(T)

The Telcordia (formerly known as Bellcore) Publication(s) can be obtained from:

Telcordia Technologies, Inc.
8 Corporate Place, PYA 3A-184
Piscataway, New Jersey 08854-4156

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

8th Revised Sheet No. 37
Cancels
7th Revised Sheet No. 37

4. DS3 SERVICE (cont'd)

F. PRICES

1. Service Elements

The following charges apply to channels provided in those Central
Offices that are not designated in paragraph V.3 of Section 1 preceding.

Description /Billing Code/	Nonrecurring Charge
Administrative Charge^{/1/}	
- per order	
Zone 1 /NRBA1/	\$ 60.00
Zone 2 /NRBA2/	60.00
Zone 3 /NRBA3/	60.00
Design and Central Office Connection Charge^{/1/}	
- per circuit	
Zone 1 /NRBD1/	456.00
Zone 2 /NRBD2/	480.00
Zone 3 /NRBD3/	480.00
Customer Connection Charge^{/1/}	
- per termination	
Zone 1 /NRBB1/	800.00
Zone 2 /NRBB2/	880.00
Zone 3 /NRBB3/	900.00

/1/ For those customers who choose a Term Payment Plan (TPP) period of
24 months or greater in length for new installations, the (C)
Administrative Charge, Design and Central Office Connection Charge and
Customer Connection Charge will not apply. However, customers
requesting termination of service prior to the completion of a minimum
of 24 months of a 24-month or greater TPP term will become liable for (C)
payment of Nonrecurring Charges described above.

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The Ohio Bell
Telephone Company

AT&T TARIFF

P.U.C.O. NO. 20
Part 15 Section 3

PART 15 - Dedicated Telecommunications Services
SECTION 3 - Base Rate through OC-n Services

7th Revised Sheet 38
Cancels 6th Revised Sheet 38
2nd Revised Sheet 38.1 (N)
and 2nd Revised Sheet 38.2 (N)

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TFA No. OH-07-17688

THE OHIO BELL
TELEPHONE COMPANY

SBC
Tariff

P.U.C.O. NO. 20
PART 15 **SECTION 3**

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

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5th Revised Sheet No. 39

(C)

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THE OHIO BELL
TELEPHONE COMPANY

SBC
Tariff

P.U.C.O. NO. 20

PART 15	SECTION 3
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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

6th Revised Sheet No. 40
Cancels
5th Revised Sheet No. 40

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

8th Revised Sheet No. 40.1
Cancels
7th Revised Sheet No. 40.1

4. DS3 SERVICE (cont'd)

F. PRICES (cont'd)

1. Service Elements (cont'd)

Description /Billing Code/	Monthly Payment				
	Term Payment Plans				
	12 Months	24 Months	36 Months	60 Months	Monthly Extension
Local					
Distribution					
Channel					
- per point of termination					
Zone 1 /TZUP1/	\$2,725.00 (I)	\$1,900.00 (I)	\$1,375.00 (I)	\$1,040.00	\$4,050.00 (I)
Zone 2 /TZUP2/	2,800.00	1,950.00	1,425.00	1,110.00	4,250.00
Zone 3 /TZUP3/	3,100.00 (I)	2,150.00 (I)	1,550.00 (I)	1,200.00 (I)	4,650.00 (I)
Channel Mileage					
Termination					
- per point of termination					
Zone 1 /CZ4X1/	375.00 (I)	335.00 (I)	315.00 (I)	300.00 (I)	575.00 (I)
Zone 2 /CZ4X2/	395.00 (I)	350.00	320.00	300.00 (I)	575.00
Zone 3 /CZ4X3/	402.00	375.00	359.00	338.00	575.00 (I)
Channel Mileage					
- per mile					
Zone 1 /1YZX1/	132.00 (I)	110.00 (I)	95.00 (I)	55.00 (I)	165.00 (I)
Zone 2 /1YZX2/	132.00	110.00	95.00	55.00	165.00
Zone 3 /1YZX3/	132.00 (I)	110.00 (I)	95.00 (I)	65.00 (I)	165.00 (I)

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

6th Revised Sheet No. 41
Cancels
5th Revised Sheet No. 41

(C)

4. DS3 SERVICE (cont'd)

(C)

F. PRICES (cont'd)

1. Service Elements (cont'd)

The following charges apply to channels provided in those Central
Offices that are not designated in paragraph V.3 of Section 1 preceding.

Description /Billing Code/	Nonrecurring Charge
----------------------------	------------------------

Optional Features and Functions

Shared Network Arrangement

- processing charge, per order

Rate Zone 1 /SRNX1/	\$37.50
Rate Zone 2 /SRNX2/	37.50
Rate Zone 3 /SRNX3/	37.50

Description /Billing Code/	Nonrecurring Charge	Monthly
----------------------------	------------------------	---------

**Special Facility Routing - Local
Distribution Channel (LDC) Diversity**

- per order /NRBOQ/ \$525.00

- per channel

First Channel	
Zone 1 /DVJ/	\$700.00
Zone 2 /DVJ/	700.00
Zone 3 /DVJ/	700.00

Additional Channel

Zone 1 /DVW/	300.00
Zone 2 /DVW/	300.00
Zone 3 /DVW/	300.00

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

3rd Revised Sheet No. 42
Cancels
2nd Revised Sheet No. 42

4. DS3 SERVICE (cont'd)

F. PRICES (cont'd)

2. Payment Plans

• **Term Payment Plans**

DS3 Service is only available under the Term Payment Plan (TPP) whereby customers must select either a 12, 24, 36 or 60 month period. (C)
After the minimum period is satisfied, the monthly extension price will apply unless a new TPP is selected. Refer to **Term Payment Plans** in Part 15, Section 1.

• **Single Payment Option (SPO)**

A Single Payment Option is available for this service. Refer to **Term Payment Plans - Single Payment Option** in Part 15, Section 1.

3. Termination Charges

Termination Charges will apply to service terminated prior to the contracted period. The termination charge for all TPP terms for DS3 Service will be calculated as described in **Term Payment Plans - Termination Charges** in Part 15, Section 1.

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By Connie Browning, President, Cleveland, Ohio

THE OHIO BELL
TELEPHONE COMPANY

SBC
Tariff

P.U.C.O. NO. 20

PART 15	SECTION 3
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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

3rd Revised Sheet No. 43
Cancels
2nd Revised Sheet No. 43

(C)

4. DS3 SERVICE (cont'd)

(C)

F. PRICES (cont'd)

4. Credit Allowance

A credit allowance will be given for failure to meet the installation interval service date or for interruption of service. Refer to Credit Allowances in Part 15, Section 1 for calculating credit allowances.

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5. OC-n POINT-TO-POINT SERVICE

A. DESCRIPTION

OC-n Point-to-Point Service (OC-n channels) provides high speed synchronous optical fiber-based full duplex data transmission capabilities. OC-n channels may be either channelized (non-concatenated) or non-channelized (concatenated) designated as OC-nc. This service provides optical data transmission with the following characteristics: (T)

- OC-3/OC-3c Service provides channels operating at the terminating bit rate of 155.52 Mbps (T)
- OC-12/OC-12c Service provides channels operating at the terminating bit rate of 622.08 Mbps (T)
- OC-48/OC-48c Service provides channels operating at the terminating bit rate of 2488.32 Mbps (T)
- OC-192/OC-192c Service provides channels operating at the terminating bit rate of 9953.28 Mbps (T)

OC-n channels may be used to connect:

- A customer-designated premises to another customer-designated premises.
- A customer-designated premises to a Company location where Add/Drop Multiplexing, Add/Drop Functions and/or cross-connections are performed.

OC-n channels may be connected by:

- Using the appropriate OC-n Add/Drop Multiplexer (mux) along with the Add/Drop Function to an DS1 and/or DS3 at suitably equipped wire centers, i.e. non-concatenated, or (T)
- Using the full bandwidth premises to premises, i.e. concatenated. (T)

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5. OC-n POINT-TO-POINT SERVICE (cont'd)

A. Description (cont'd)

OC-n Point-to-Point Service, based on customer requirements, can be configured in any of the following ways:

- OC-3**
- Three STS-1 (Synchronous Transport Signals) channels which each contain:
 - One DS3 that is STS-1 mapped;
 - Up to 28 DS1s that are VT-mapped;
 - An STS-1 channel without constraint to payload mapping when the STS-1 channel does not terminate via an Add/Drop Function to DS1 or DS3 services within the Company network;
 - A single concatenated STS-3C channel
 - 1 Gbps Ethernet STS-1, 1v-2v (N)
- OC-12**
- Twelve STS-1 channels which each contain:
 - One DS3 that is STS-1 mapped;
 - Up to 28 DS1s that are VT-mapped;
 - An STS-1 channel without constraint to payload mapping when the STS-1 channel does not terminate via an Add/Drop Function to DS1 or DS3 services within the Company network;
 - Four concatenated STS-3C channels;
 - From one to three STS-3C channels mixed with from three to nine STS-1 channels subject to utilization of the total OC-12 capacity;
 - A single concatenated STS-12C channel (N)
 - 1 Gbps Ethernet STS-1, 1v-9v (N)
 - 1 Gbps Ethernet STS-3c, 1v-3v (N)

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PART 15 - Dedicated Telecommunications Services
SECTION 3 - Base Rate through OC-n Services

4th Revised Sheet 45.1
Cancels 3rd Revised Sheet 45.1

5. OC-n POINT-TO-POINT SERVICE (cont'd)

A. Description (cont'd)

- OC-48**
- Forty-eight STS-1 channels which each contain:
 - One DS3 that is STS-1 mapped;
 - Up to 28 DS1s that are VT-mapped;
 - An STS-1 channel without constraint to payload mapping when the STS-1 channel does not terminate via an Add/Drop Function to DS1 or DS3 services within the Company network;
 - Sixteen concatenated STS-3C channels;
 - From one to fifteen concatenated STS-3C channels mixed with from three to forty-five STS-1 channels subject to utilization of the total OC-48 capacity;
 - Four concatenated STS-12C channels;
 - From one to three concatenated STS-12C channels mixed with from twelve to thirty-six STS-1 channels subject to utilization of the total OC-48 capacity;
 - From one to three concatenated STS-12C channels mixed with from four to twelve concatenated STS-3C channels, also mixed with from three to thirty-three STS-1 channels subject to utilization of the total OC-48 capacity;
 - From one to three concatenated STS-12C channels mixed with from one to eleven concatenated STS-3C channels, also mixed with from three to thirty-three STS-1 channels subject to utilization of the total OC-48 capacity
 - 1 Gbps Ethernet STS-1, 1v-21v (N)
 - 1 Gbps Ethernet STS-3c, 1v-7v (N)

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

1st Revised Sheet No. 45.2
Cancels
Original Sheet No. 45.2 (T)

5. OC-n POINT-TO-POINT SERVICE (cont'd)

(T)

A. DESCRIPTION (cont'd)

OC-192

One hundred ninety two interleaved STS-1 channels which each contain:

- One DS3 that is STS-1 mapped;
- Up to 28 DS1s that are VT-mapped;
- An STS-1 channel without constraint to payload mapping when the STS-1 channel does not terminate via an Add/Drop Function to DS1 or DS3 services within the Company network;

(T)

Sixty four interleaved concatenated STS-3C channels:

- From one to sixty three interleaved concatenated STS-3C channels mixed with from three to one hundred and eighty nine STS-1 channels, subject to utilization of the total STS-192 capacity;

Sixteen interleaved concatenated STS-12C channels:

- From one to fifteen interleaved concatenated STS-12C channels mixed with from twelve to one hundred and eighty STS-1 channels subject to utilization of the total STS-192 capacity;
- From one to fifteen interleaved concatenated STS-12C channels mixed with from four to sixty concatenated STS-3C channels subject to utilization of the total STS-192 capacity.
- From one to fifteen interleaved concatenated STS-12C channels mixed with from one to fifty nine concatenated STS-3C channels, also mixed with from three to one hundred and seventy seven STS-1 channels subject to utilization of the total STS-192 capacity.

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PART 15 - Dedicated Telecommunications Services
SECTION 3 - Base Rate through OC-n Services

3rd Revised Sheet 45.3
Cancels 2nd Revised Sheet 45.3

5. OC-n POINT-TO-POINT SERVICE (cont'd)

A. Description (cont'd)

OC-192 (cont'd)

Four interleaved concatenated STS-48C channels:

- From one to three interleaved concatenated STS-48C channels mixed with from forty eight to one hundred and forty four STS-1 channels subject to utilization of the total STS-192 capacity;
- From one to three interleaved concatenated STS-48C channels mixed with from sixteen to forty eight STS-3c channels subject to utilization of the total STS-192 capacity;
- From one to three interleaved concatenated STS-48C channels mixed with from four to twelve STS-12c channels subject to utilization of the total STS-192 capacity;
- From one to three interleaved concatenated STS-48C channels mixed with from one to forty seven concatenated STS-3C channels, also mixed with from three to one hundred and forty one STS-1 channels subject to utilization of the total STS-192 capacity.
- From one to three interleaved concatenated STS-48C channels mixed with from one to eleven concatenated STS-12C channels, also mixed with from twelve to one hundred and thirty two STS-1 channels subject to utilization of the total STS-192 capacity.
- From one to three interleaved concatenated STS-48C channels mixed with from one to eleven concatenated STS-12C channels, also mixed with from four to forty four concatenated STS-3c channels subject to utilization of the total STS-192 capacity.
- From one to three interleaved concatenated STS-48C channels mixed with from one to eleven concatenated STS-12C channels, also mixed with from three to one hundred and twenty nine STS-1 channels subject to utilization of the total STS-192 capacity.

1 Gbps Ethernet STS-1, 1v-21v

(N)

1 Gbps Ethernet STS-3c, 1v-7v

(N)

OC-n

(N)

The customer is responsible via the ordering process to identify what STS signal configuration is to be contained in each OC-n Point-to-Point service connection and each STS-1, STS-3 and/or STS-12 payload content. This information is needed for routing and connection purposes in the network.

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

5th Revised Sheet No. 46
Cancels
4th Revised Sheet No. 46 (T)

5. OC-n POINT-TO-POINT SERVICE (cont'd) (T)

A. DESCRIPTION (cont'd)

Channel Configuration

OC-n Channels consist of Local Distribution Channels (LDCs), Interoffice (T)
Transport (which consists of a combination of Channel Mileage and
Channel Mileage Terminations), and optional features and functions.

• **OC-n Local Distribution Channels (T)**

OC-n Local Distribution Channels provide optical interconnection (T)
between a Company Serving Wire Center (SWC) and the customer
premises.

The following types of LDCs are available:

Terminating Bit Rate	Loop Format	Data Transmission Format
155.52 Mbps	4 fiber	Synchronous
622.08 Mbps	4 fiber	Synchronous
2488.32 Mbps	4 fiber	Synchronous
9953.28 Mbps	4 fiber	Synchronous

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

7th Revised Sheet No. 47
Cancels
6th Revised Sheet No. 47

5. OC-n POINT-TO-POINT SERVICE (cont'd)

B. DEFINITIONS

Interoffice Transport

Interoffice Transport facilities, comprised of Channel Mileage Termination (CMT) and Channel Mileage (CM), provide the transmission paths between Serving Wire Centers associated with two customer-designated premises or between a Serving Wire Center associated with a customer premises and a Company Hub location. Four interoffice transport types are available: OC-3 transport at a bit rate of 155.52 (T) Mbps, OC-12 transport at a bit rate of 622.08 Mbps, OC-48 transport at a (T) bit rate of 2488.32 Mbps and OC-192 at a bit rate of 9953.28 Mbps.

OC-3/OC-3c LDCs are interconnected to OC-3 transport, OC-12/OC-12c LDCs are interconnected to OC-12 transport, OC-48/OC-48c LDCs are interconnected to OC-48 transport and OC-192/OC-192c LDCs are interconnected to OC-192 transport.

In addition, interoffice transport can be connected between wire centers with Add/Drop Multiplexing at a lower OC-n speed than the LDC, if the transport is between a lower speed Add/Drop Function and:

- another lower speed Add/Drop Function;
- another lower speed Local Distribution Channel;
- a lower speed Dedicated Ring Port;
- a lower speed Cross-Connect;

All of the above terminations must be the same speed as the transport.

SONET (Synchronous Optical Network)

SONET is a set of international standards for fiber optic based transmission systems. SONET defines standard optical carrier transmission rates and utilizes a modular multiplexing approach based on the application of Synchronous Transport Signals (STS).

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PART 15 - Dedicated Communications Services
SECTION 3 ~ Base Rate through OC-n Services

4th Revised Sheet No. 48
Cancels
3rd Revised Sheet No. 48 (T)

5. OC-n POINT-TO-POINT SERVICE (cont'd) (T)

C. TERMS AND CONDITIONS

1. The customer is responsible via the ordering process to identify what STS signal configuration is to be contained in each OC-n service connection and each STS-1, STS-3 and/or STS-12 payload content. This information is needed for routing and connection purposes in the network.
2. When OC-n Point-to-Point Service is provided, the customer is responsible for providing the Optical Line Termination (OLT) at the customer's premises. The OLT supplied at the customer premises must be compatible with the OLT used by the Company in the Serving Wire Center. (T)
3. All LDCs comprising a channel must have the same terminating bit rate unless multiplexing is performed at a Company Hub location.
4. The options in Add/Drop Multiplexing and Add/Drop Function cannot be used with OC-3 or OC-12 Service configured by the customer to contain a single non-channelized (concatenated) STS-3C or STS-12C signal, respectively. (T)
5. Service Rearrangement Charges
 - If a change involves the rearrangement of an OC-n Point-to-Point Service (non-channelized) to an arrangement with an Add/Drop Multiplexer and an Add/Drop Function or vice-versa, an Administrative Charge, Design and Central Office Connection Charge and Customer Connection Charge will apply. (T)
 - A change in payload mapping within an OC-n package will require a redesign of the OC-n Point-to-Point Service, and an Administrative Charge and Design and Central Office Connection Charge will apply. (T)

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

5th Revised Sheet No. 49
Cancels
4th Revised Sheet No. 49 (T)

5. OC-n POINT-TO-POINT SERVICE (cont'd)

(T)

C. TERMS AND CONDITIONS

6. When ordering the 1+1 Protection with Route Survivability option:

- The protect fiber will be charged on a distance sensitive basis, based on quarter route miles, from the customer premises to the serving wire.
- Prior to confirming an order for service, the Company will provide a proposed route diagram to the customer. The diagram will include the number of quarter route miles and method used to support the number needed to provide the alternate route or route to the alternate wire center. In order to avoid compromising Route or Central Office Survivability information, the Company will provide this information only to the ordering customer.
- Installation of the 1+1 Protection with Route Survivability option will not begin until the customer has accepted the proposed routing by the Company.

7. OC-n Point-to-Point Service is provided at the option of the Company (T) where appropriate SONET facilities are available. If appropriate facilities are not available, **Special Construction** charges may apply.

8. The minimum service period for OC-n Point-to-Point Service is 12 months. (T)

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

5th Revised Sheet No. 50
Cancels
4th Revised Sheet No. 50 (T)

5. OC-n POINT-TO-POINT SERVICE (cont'd) (T)

D. FEATURES

1. Optional Features

OC-n Add/Drop Multiplexing

An arrangement that allows an OC-n channel operating at a terminating speed of 155.52 Mbps, 622.08 Mbps, 2488.32 Mbps and 9953.28 Mbps respectively, to add/drop a lower speed channel by using this feature along with the Add/Drop Function as stated below. (T)

OC-3 Add/Drop Multiplexing at a Company wire center will provide the capability to support the full Add/Drop Function capacity of OC-3 Service bandwidth with up to three DS3 Add/Drop Functions or equivalently up to three groups of 28 DS1 Add/Drop Functions.

OC-12 Add/Drop Multiplexing at a Company wire center will provide the capability to support the full Add/Drop Function capacity of OC-12 Service bandwidth with up to four OC-3 Add/Drop Functions or up to twelve DS3 Add/Drop Functions or equivalent combinations of OC-3 and DS3 Add/Drop Functions.

OC-48 Add/Drop Multiplexing at a Company wire center will provide the capability to support one quarter of the Add/Drop Function capacity of OC-48 Service bandwidth. Up to four OC-48 Add/Drop Multiplexing options may be provided with each supporting one OC-12 Add/Drop Function, or up to four OC-3 Add/Drop Functions or up to twelve DS3 Add/Drop Functions or equivalent combination of OC-3 and DS3 Add/Drop Functions.

OC-192 Add/Drop Multiplexing at a Company wire center will provide the capability to support full Add/Drop Function capacity of OC-192 Service bandwidth. Up to four OC-48 Add/Drop Multiplexing options, or up to 16 OC-12 add/drop functions, or up to 64 OC-3 add/drop functions or equivalent combinations of OC-48, OC-12 and OC-3 add/drop functions are supported.

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PART 15 - Dedicated Telecommunications Services
SECTION 3 - Base Rate through OC-n Services

7th Revised Sheet 51
Cancels 6th Revised Sheet 51

5. OC-n POINT-TO-POINT SERVICE (cont'd)

D. Features (cont'd)

1. Optional Features (cont'd)

Add/Drop Function

OC-n Point-to-Point Service is able to add or drop lower level signals as shown in the matrix following. The Add/Drop Function is offered at a circuit level. For example, if a customer wants to drop one DS3 signal from an OC-12 service, one Add/Drop Function charge for the DS3 would be applicable, in addition to the OC-12 Add/Drop Multiplexing charge. (T) (T) (T)

An OC-n Point-to-Point Service is only able to add or drop the services that have been identified by payload content (mapped) within the bandwidth. DS1 mapped STS-1 signals are only able to connect to a DS1 and DS3 mapped STS-1 signals are only able to connect to a DS3. If a change is required it may be accomplished by the customer's CPE or through the current asynchronous environment for multiplexing of DS3 and DS1 Services. See Central Office (CO) Multiplexing for DS1 and DS3 Services. (T)

ADD/DROP Function							(N)
	DS1	DS3	OC-3	OC-12	OC-48	OC-192	
OC-192	No ^{/1/}	Yes ^{/2/}	Yes	Yes	yes	Yes	(N)
OC-48	No ^{/1/}	Yes	Yes	Yes	N/A	Yes	
OC-12	Yes	Yes	Yes	N/A	N/A	Yes	
OC-3	Yes	Yes	N/A	N/A	N/A	Yes	

/1/ To add/drop a DS1 from an OC-12 and/or OC-48, an intermediate step at either OC-3 or DS3 must be taken. To add/drop a DS1 from an OC-192, an intermediate step at OC-48 must be taken.

/2/ Only the first 24 DS3s will be dropped directly off an OC-192, the 25th DS3 requires an OC-3, OC-12 or OC-48 subtended shelf.

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TFA No. OH-07-14254

PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

4th Revised Sheet No. 52
Cancels
3rd Revised Sheet No. 52 (T)

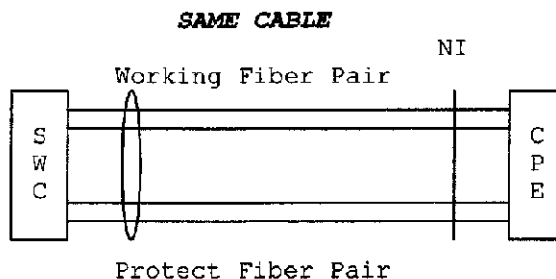
5. OC-n POINT-TO-POINT SERVICE (cont'd) (T)

D. FEATURES (cont'd)

1. Optional Features (cont'd)

1+1 Protection

The base OC-n Point-to-Point Service is offered with four fibers in the same cable, but the protection card will only be activated when this option is ordered. This will allow customers to order protection if their CPE can accommodate it. (T)



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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

4th Revised Sheet No. 53
Cancels
3rd Revised Sheet No. 53 (T)

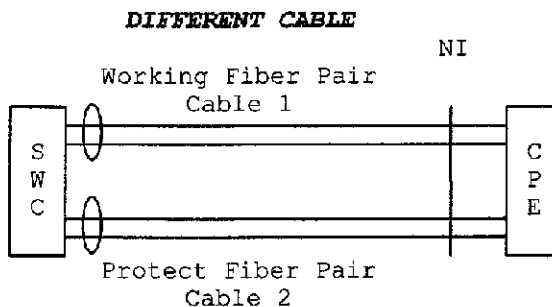
5. OC-n POINT-TO-POINT SERVICE (cont'd) (T)

D. FEATURES (cont'd)

1. Optional Features (cont'd)

1+1 Protection with Cable Survivability

This option will provide 1+1 protection and additional loop survivability with the working fiber pair and protect fiber pair placed in separate cables within the same conduit.



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5. OC-n POINT-TO-POINT SERVICE (cont'd)

(T)

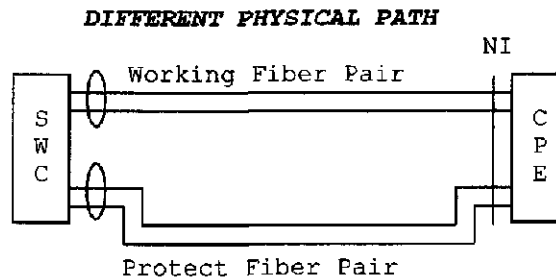
D. FEATURES (cont'd)

1. Optional Features (cont'd)

1+1 Protection with Route Survivability

This option will provide 1+1 protection and offer additional protection from fiber cable cuts by routing the working fiber pair via the primary route and the protect fiber pair via a physically diverse alternate route.

This option will also assure 100 percent availability of the service. Any service interruption will result in a credit allowance as described in the **PRICES, Credit Allowances** paragraph following.



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THE OHIO BELL
TELEPHONE COMPANY

SBC
TariffTariff

P.U.C.O. NO. 20

PART 15	SECTION 3
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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

5th Revised Sheet No. 55
Cancels
4th Revised Sheet No. 55 (T)

5. OC-n POINT-TO-POINT SERVICE (cont'd)

(T)

Reserved for future use

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PART 15 - Dedicated Telecommunications Services
SECTION 3 - Base Rate through OC-n Services

8th Revised Sheet 56
Cancels 7th Revised Sheet 56

5. OC-n POINT-TO-POINT SERVICE (cont'd)

D. Features (cont'd)

1. Optional Features (cont'd)

OC-n Point-to-Point Diversity

This option will provide the ability to protect a single circuit end-to-end, providing two completely diverse (or separate) paths through the Company's network. The circuit will have separate optical connections in the Central Office and between interoffice facility systems. The two paths will be designed and provisioned separately such that neither path will follow the same routes, thus providing continued service should a network fault occur in one of the paths. This feature requires the additional provision of 1+1 Protection with Route Survivability.

Point-to-Point Regenerator

Regenerators provide essential detection and retransmission of SONET Optical 2488.32 Mbps and 9953.28 Mbps signals between customer premises. Regenerators will only be provided as required by the Company when actual fiber facility distances between customer designated premises and/or central office locations exceed design limits (typically 25 to 30 miles). Regenerators will be located exclusively in Company central offices.

Shared Network Arrangement

A Shared Network Arrangement is available with OC-n Point-to-Point Service. Refer to Shared Network Arrangement in Part 15, Section 1.

Ethernet over SONET (EoS)

EoS allows the efficient transport of Ethernet frames using SONET. Ethernet Optical Add/Drop capability will be available in bandwidths up to 1 Gbps on an OC-n Point-to-Point Service. As SONET bandwidths will be preset, the customer will be unable to transmit data beyond these preset SONET bandwidths.

(N)

(N)

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

7th Revised Sheet No. 57
Cancels
6th Revised Sheet No. 57

5. OC-n POINT-TO-POINT SERVICE (cont'd)

E. TECHNICAL REFERENCES

The technical specifications for OC-n Point-to-Point Service are described in Technical Reference AM TR-NIS-000111. The Company will work cooperatively with the customer to select compatible Optical Line Terminations (OLTs) which conform to the requirements set forth in Technical Reference Publication AM TR-TMO-000101.

The network channel interfaces define the bit rates that are available for OC-n Point-to-Point Service operating at speeds of 155.52 Mbps, 622.08 Mbps, 2488.32 Mbps and 9953.28 Mbps respectively. Network Channel interfaces and codes are described in Technical Publication AM TR-TMO-000080.

<u>Subject</u>	<u>Technical Reference</u>
Ameritech Service's Network Channel and Network Channel Interface Codes	AM TR-TMO-000080
Ameritech Digital Service Transmission Parameters	AM TR-TMO-000101
Ameritech OC-3/OC-3c, OC-12/OC-12c, OC-48/OC-48c and OC-192/OC-192c Service Interface Specifications	AM TR-NIS-000111

The Technical Reference can be obtained from:

APEX Support Team
(734) 523-7348

(T)
(T)

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

9th Revised Sheet No. 58
Cancels
8th Revised Sheet No. 58

5. OC-n POINT-TO-POINT SERVICE (cont'd)

F. PRICES

1. Service Elements

	(D)
	(D)
Description /Billing Code/	Nonrecurring Charge
Administrative Charge	
- per order	
OC-3/OC-3c Service 155.52 Mbps /ORCMX/	\$ 60.00
OC-12/OC-12c Service 622.08 Mbps /ORCMX/	60.00
OC-48/OC-48c Service 2488.32 Mbps /ORCMX/	60.00
OC-192/OC-192c Service 9953.28 Mbps /ORCMX/	60.00
Design and Central Office Connection Charge	
- per circuit	
OC-3/OC-3c Service 155.52 Mbps /NRBCL/	375.00
OC-12/OC-12c Service 622.08 Mbps /NRBCL/	375.00
OC-48/OC-48c Service 2488.32 Mbps /NRBCL/	500.00
OC-192/OC-192c Service 9953.28 Mbps /NRBCL/	2,250.00
Customer Connection Charge	
- per termination	
OC-3/OC-3c Service 155.52 Mbps /NRBBL/	450.00
OC-12/OC-12c Service 622.08 Mbps /NRBBL/	450.00
OC-48/OC-48c Service 2488.32 Mbps /NRBBL/	600.00
OC-192/OC-192c Service 9953.28 Mbps /NRBBL/	600.00

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

8th Revised Sheet No. 59
Cancels
7th Revised Sheet No. 59

5. OC-n POINT-TO-POINT SERVICE (cont'd)

F. PRICES (cont'd)

1. Service Elements (cont'd)

Description /Billing Code/	Monthly Payment				Monthly Extension
	Term Payment Plans				
	12 Months	36 Months	60 Months		
Local Distribution Channel					
- per point of termination					
OC-3/OC-3c /TMECS/	\$1,607.00	\$1,368.00	\$1,125.00	\$1,607.00	(T)
OC-12/OC-12c /TMECS/	4,000.00	3,400.00	2,800.00	4,000.00	
OC-48/OC-48c /TMECS/	8,000.00	6,800.00	5,600.00	8,000.00	
OC-192/OC-192c /TMECS/	NA	20,400.00	16,800.00	29,400.00	(T)
Channel Mileage Termination					
- per point of Mileage Termination					
OC-3 /CM6/	469.00	399.00	375.00	469.00	
OC-12 /CM6/	700.00	595.00	560.00	700.00	
OC-48 /CM6/	1,575.00	1,420.00	1,340.00	1,575.00	
OC-192/CM6/	NA	4,260.00	4020.00	7,035.00	
Channel Mileage					
- per mile					
OC-3 /IL5XX/	250.00	213.00	200.00	250.00	
OC-12 /IL5XX/	500.00	425.00	400.00	500.00	
OC-48 /IL5XX/	550.00	520.00	440.00	550.00	
OC-192 /IL5XX/	NA	520.00	440.00	650.00	
<u>Optional Features</u>					
Add/Drop Multiplexing					
- per arrangement					
OC-3 /MPECX/	1,107.00	939.00	775.00	1,107.00	
OC-12 /MPEDX/	2,750.00	2,340.00	1,925.00	2,750.00	
OC-48 /MXRFX/	5,000.00	3,510.00	2,895.00	5,000.00	
OC-192 /MXRGX/	NA	10,530.00	8,685.00	15,000.00	

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PART 15 - Dedicated Telecommunications Services
SECTION 3 - Base Rate through OC-n Services

9th Revised Sheet 60
Cancels 8th Revised Sheet 60

5. OC-n POINT-TO-POINT SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

Description /Billing Code/	Nonrecurring Charge	Monthly Price	
<u>Optional Features (cont'd)</u>			
Add/Drop Function			
OC-3 Service			
- per DS3 Add or Drop /MXJBX/	-	\$ 120.00	
- per DS1 Add or Drop /MXJAX/	-	50.00	
- per 1000BaseLX Ethernet /MX4LX/	-	500.00	(N)
OC-12 Service			
- per OC-3 Add or Drop /MXJCX/	-	150.00	
- per DS3 Add or Drop /MXJBX/	-	120.00	
- per 1000BaseLX Ethernet /MX4LX/	-	500.00	(N)
OC-48 Service			
- per OC-12 Add or Drop /MXJEX/	-	375.00	
- per OC-3 Add or Drop /MXJCX/	-	150.00	
- per DS3 Add or Drop /MXJBX/	-	120.00	
- per 1000BaseLX Ethernet /MX4LX/	-	500.00	(N)
OC-192 Service			
- per OC-48 Add or Drop /MXJFX/	-	900.00	
- per OC-12 Add or Drop /MXJEX/	-	375.00	
- per OC-3 Add or Drop /MXJCX/	-	150.00	
- per 1000BaseLX Ethernet /MX4LX/	-	500.00	(N)
1+1 Protection			
- per Local Distribution Channel			
OC-3/OC-3c /P8T/	-	57.00	
OC-12/OC-12c /P8T/	-	250.00	
OC-48/OC-48c /P8T/	-	1,175.00	
OC-192/OC-192c /P8T/	-	5,400.00	

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

7th Revised Sheet No. 60.1
Cancels
6th Revised Sheet No. 60.1

5. OC-n POINT-TO-POINT SERVICE (cont'd)

F. PRICES (cont'd)

(C)

1. Service Elements (cont'd)

(D)

(D)

Description /Billing Code/	Nonrecurring Charge	Monthly Price
<u>Optional Features (cont'd)</u>		
1+1 Protection with Cable Survivability		
- per Local Distribution Channel		
OC-3/OC-3c /P3S/	\$500.00	\$ 57.00
OC-12/OC-12c /P3S/	600.00	250.00
OC-48/OC-48c /P3S/	700.00	1,175.00
OC-192/OC-192c /P3S/	800.00	5,400.00
1+1 Protection with Route Survivability		
- per Local Distribution Channel		
OC-3/OC-3c /P8T/		
OC-12/OC-12c /P8T/		
OC-48/OC-48c /P8T/		
OC-192/OC-192c /P8T/		
	Apply P8T above plus 'Per Quarter Route Mile' below	
- per quarter route mile		
OC-3 /S2DXY/		50.00
OC-12 /S2DXS/		75.00
OC-48 /S2DXX/		100.00
OC-192 /S2DXY/		150.00

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

9th Revised Sheet No. 61
Cancels
8th Revised Sheet No. 61

5. OC-n POINT-TO-POINT SERVICE (cont'd)

F. PRICES (cont'd)

1. Service Elements (cont'd)

Description /Billing Code/	Nonrecurring Charge	Monthly Price	
<u>Optional Features (cont'd)</u>			
OC-n Point-to-Point Diversity^{/1/}			(N)
- per OC-3 circuit /CPAPA/		\$ 200.00	
- per OC-12 circuit /CPAPB/		300.00	
- per OC-48 circuit /CPAPC/		700.00	
- per OC-192 circuit /CPAPD/		1,200.00	(N)
Point-to-Point Regenerator			
- per OC-48 regenerator /RGY48/		5,280.00	
- per OC-192 regenerator /RGY92/		11,000.00	
Shared Network Arrangement			
- Processing Charge, per Service Order /NRBOP/	\$30.00		

/1/ OC-n Point-to-Point Diversity requires the additional provision of 1+1 Protection with Route Survivability. (N)
(N)

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

8th Revised Sheet 62
Cancels 7th Revised Sheet 62

5. OC-n POINT-TO-POINT SERVICE (cont'd)

F. Prices (cont'd)

2. Payment Plans

• *Term Payment Plans*

OC-n Point-to-Point Service is available under the Term Payment Plan (TPP) whereby customers must select either a 12-, 36- or 60-month period. After the selected Term Payment Plan period is satisfied, the monthly extension price will apply unless a new TPP is selected. Refer to *Term Payment Plans* in Part 15, Section 1.

• *Single Payment Option (SPO)*

A Single Payment Option is available for this service. Refer to *Term Payment Plans - Single Payment Option* in Part 15, Section 1.

3. Termination Charges

Termination Charges will apply to service terminated prior to the contracted period. The termination charge for all TPP terms for OC-n Point-to-Point Service will be calculated as described in *Termination Charges* in Part 15, Section 1.

Commission approval of the above termination liability language is not intended to indicate that the Commission has sanctioned any particular legal result should a dispute arise between the parties. In the event of dispute, signatories to such contracts may pursue whatever legal remedies they deem appropriate to resolve the dispute.

For service installed after July 10, 2007, customers will be permitted to move one Local Distribution Channel (LDC) of an OC-n Point-to-Point Service to another location in the same LATA during their TPP term and keep the TPP in force, provided no lapse in service occurs. The customer must have met a 12-month minimum in-service period at the old location and be liable for at least 12 months remaining at the new location. Nonrecurring charges, as appropriate, will apply.

(N)

(N)

/1/

/1/ Material now appears on Original Sheet 62.1 in this Section.

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

Original Sheet 62.1

5. OC-n POINT-TO-POINT SERVICE (cont'd)

(N)

F. Prices (cont'd)

3. Termination Charges (cont'd)

For service installed after July 10, 2007, customers will be permitted to upgrade to a higher-speed service provided by the Company, without incurring Termination Charges, given the following conditions are met:

- an upgrade is considered an increase in speed or capacity when comparing OC-n Point-to-Point Service to the new service.
- the customer must issue a disconnect order for the existing OC-n Point-to-Point Service and place a service order for the new, higher-speed service, such that there is no more than 90 days overlap in service.
- the same customer locations must be utilized for the new, higher-speed service.
- the expiration date for the new, higher-speed service is beyond the end of the original TPP term associated with the existing OC-n Point-to-Point Service.
- the existing OC-n Point-to-Point Service must have been in service for a minimum period of 15 months for a 36-month contract or 18 months for a 60-month contract.

(N)

4. Credit Allowance

/1/

A credit allowance will be given for interruptions in service. Refer to *Credit Allowances* in Part 15, Section 1.

1+1 Protection with Route Survivability and OC-n Point-to-Point Diversity

Any service interruption will result in a credit equal to one month's bill for the circuit involved. If the interruption occurs on a Local Distribution Channel without this option, normal terms and conditions for *Credit Allowances* as stated in Part 15, Section 1 will apply.

/1/

/1/ Material formerly appeared on 7th Revised Sheet 62 in this Section.

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PART 15 - Dedicated Telecommunications Services
SECTION 3 - Base Rate through OC-n Services

7th Revised Sheet 63
Cancels 6th Revised Sheet 63

6. OC-n DEDICATED RING SERVICE

A. Description

OC-n Dedicated Ring Service provides a customer a dedicated custom network. The network is in a ring architecture, including sub-rings (or ARC sub-rings provisioned on appropriate Next Generation SONET equipment), designed to provide increased reliability and functionality connecting multiple customer-designated locations and specified Company wire centers via self healing network designs. A sub-ring is a lower speed ring made up of two or more sub-ring Nodes operating off of the higher speed main ring. An ARC sub-ring is a lower speed ring made up of one or more sub-ring ARC Nodes operating off of the higher speed main ring. (N)
(N)
(N)
(N)

Dedicated Ring Service will provide 50-millisecond protection switching after fault detection to assure 100 percent availability of the services on the ring. (See Section F, Paragraph 4 following for information regarding credit allowances for service interruptions.) (T)

OC-n Dedicated Ring Service is an alternative to OC-n Point-to-Point Service between multiple customer locations.

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PART 15 - Dedicated Telecommunications Services
SECTION 3 - Base Rate through OC-n Services

7th Revised Sheet 64
Cancels 6th Revised Sheet 64

6. OC-n DEDICATED RING SERVICE (cont'd)

A. Description (cont'd)

Dedicated Ring Configuration

• **Nodes**

The ring will provide connectivity to multiple customer-designated locations (nodes). However, a ring must have a minimum of two nodes, excluding sub-ring nodes and ARC sub-ring nodes. At (N) least one node must be a Company wire center node. A maximum of 16 nodes including regenerators will be allowed per ring.

The Company reserves the right to determine the order of the nodes on the ring.

When a customer premises node is located in the same building as a wire center node, diversity between the two nodes may not be available.

If a customer co-locates two customer premises nodes of the same speed, on the same dedicated ring, on the same premises, the additional node will be billed as an "additional node". This option does not provide diversity between these two co-located nodes and the rest of the ring.

The customer will be billed time and material for any additional charges incurred by the Company in locating Company equipment at the customer premises.

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

4th Revised Sheet No. 64.1
Cancels
3rd Revised Sheet No. 64.1

6. OC-n DEDICATED RING SERVICE (cont'd)

A. DESCRIPTION (cont'd)

Dedicated Ring Configuration (cont'd)

• **Nodes (cont'd)**

Direct Drop Node

An optional Direct Drop Node (DDN) is available on an OC-12 Dedicated Ring. This node has direct add/drop capability not to exceed 3 DS3s or its equivalent.

The remaining bandwidth of the OC-12 ring continues on through the Node to another drop point on the ring.

Use of the Direct Drop Node allows customers to drop DS1s directly from the Node without the need for the Optical to Electrical DS1 Add/Drop Capability option.

OC-12 nodes and OC-12 DDNs may be used together in making up an OC-12 dedicated ring. A DS1 that enters the ring via a port on a Direct Drop Node must also exit via a port on another Direct Drop Node (DDN on-DDN off). A DS3 that enters the ring via a port on a Direct Drop Node may exit via a port on either a Direct Drop Node or OC-12 node. Direct Drop Node is not available in a two node ring configuration.

Sub-Ring Node

A sub-ring node is a lower speed optical extension off a main ring. It traverses one or more main ring nodes via the use of OC-n port connections on and off the main ring. The primary use of sub-ring nodes is to provide the ability to fully utilize the bandwidth around the ring when the customer requires DS1/VT1.5 circuit paths.

An optional sub-ring node is available at OC-3, OC-12 and OC-48 speeds (N) from an OC-192 main ring, OC-3 and OC-12 speeds from an OC-48 main (N) ring, and OC-3 speed from an OC-12 main ring. A sub-ring node may (T) only connect to the main ring at the same or an adjacent main ring node. A sub-ring node may not connect directly to another sub-ring node.

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

6th Revised Sheet No. 64.2
Cancels
5th Revised Sheet No. 64.2

6. OC-n DEDICATED RING SERVICE (cont'd)

A. DESCRIPTION (cont'd)

Dedicated Ring Configuration (cont'd)

• Nodes (cont'd)

Sub-Ring Node (cont'd)

Any service that enters the main ring via a port on a sub-ring node must also exit via a port on another sub-ring node (sub-ring on - sub-ring off). Cascading sub-rings are not allowed off a main ring. Service circuits may not be established between a sub-ring node and a port on the same main ring node to which it connects.

Each sub-ring must be implemented as an OC-*m* on an OC-*n* ring with full compliment of STS-1s, 3 or 12 depending on the bandwidth of the sub-ring, appearing together at all associated sub-ring nodes on a given sub-ring.

OC-3 sub-rings and OC-12 DDNs may not be combined on an OC-12 main ring. OC-12 sub-rings and OC-12 DDNs may be combined on a sub-ring connected to an OC-48 main ring.

Two OC-n ports and associated node charges apply for each sub-ring node connected to the main ring, as well as applicable mileage for the sub-ring applies.

A sub-ring node which is co-located with a main ring node at the customers premises (for the same dedicated ring) will be billed as an "Additional Node".

(D)

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PART 15 - Dedicated Telecommunications Services
SECTION 3 - Base Rate through OC-n Services

Original Sheet 64.3

6. OC-n DEDICATED RING SERVICE (cont'd)

(N)

A. Description (cont'd)

Dedicated Ring Configuration (cont'd)

- Nodes (cont'd)

ARC Sub-Ring Node

ARC sub-ring nodes are only available on appropriate Next Generation SONET equipment. An ARC sub-ring node is a lower speed optical extension off a main ring. It connects to one main ring node via the use of OC-N port connections from and to a main ring. The primary use of ARC sub-ring nodes is to add other locations to the ring that will utilize minimal amounts of bandwidth from the main ring. ARC sub-rings are only available off of UPSR main rings. ARC sub-rings are only available where facilities and/or operating conditions permit as determined by the Company.

An optional ARC sub-ring node is available at OC-3 and OC-12 speeds from an OC-48 main ring, and OC-3 speeds from an OC-12 main ring. An ARC sub-ring node may connect to the main ring at any main ring node.

Cascading ARC sub-rings are not permitted off a main ring. Services entering an ARC sub-ring node cannot drop from the directly connecting main ring node (hairpinning).

More than one ARC sub-ring may be added to a main ring. Each ARC sub-ring must be implemented as an OC-M on an OC-N ring with a full complement of STS-1s, STS-3s or STS-12s, depending on the bandwidth of the ARC sub-ring, appearing together at all associated ARC sub-ring nodes on a given ARC sub-ring.

Two OC-N ports apply for each ARC sub-ring connected to the main ring. A node charge applies for each ARC sub-ring location. Mileage charges are applicable when the ARC sub-ring is in a different location than the main ring. An ARC sub-ring which is co-located in the same room with a main ring node at the customer's premises (for the same dedicated ring) will be billed as an "Additional Node".

ARC sub-rings do not reduce bandwidth capacity of the main ring. As services are added to the main or ARC sub-ring, only the bandwidth capacity of the service is reduced.

(N)

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

8th Revised Sheet No. 64.4
Cancels
7th Revised Sheet No. 64.4

6. OC-n DEDICATED RING SERVICE (cont'd)

A. DESCRIPTION (cont'd)

Dedicated Ring Configuration (cont'd)

• **Ports**

The ring capacity will be either OC-3, OC-12, OC-48 or OC-192. Lower speed channels are accessible at nodes via port terminations.

Accepted interfaces are as follows:

	<u>OC-3 Node</u>	<u>OC-12 Node</u>	<u>OC-48 Node</u>	<u>OC-192 Node</u>	
DS1 Ports	x (Max. 84/Node)	x (Max. 84/OC-3, OC-3c Ports) ^{/1/, /3/}	x (Max. 84/OC-3, OC-3c Ports) ^{/1/, /3/}	x (Max. 84/OC-3, OC-3c Ports) ^{/1/}	(C)
DS3 Ports	x (Max. 3/Node)	x (Max. 12/Node)	x (Max. 48/Node)	x (Max. 192/Node)	
OC-3, OC-3c Ports/2/	N/A	x (Max. 4/Node)	x (Max. 16/Node)	64	
OC-12, OC-12c Ports/2/	N/A	N/A	x (Max. 4/Node)	16	
OC-48, OC-48c Ports/2/	N/A	N/A	N/A	4	

- /1/ Optical to Electrical DS1 Add/Drop Capability is needed along with an OC-3 port unless the customer has chosen an OC-12 DDN. When Next Generation (NG) SONET equipment is utilized, Optical to Electrical Add/Drop Capability may be needed when the maximum number of Direct Drop ports are exceeded.
- /2/ OC-3 and OC-3c ports support both OC-3 and OC-3 bandwidth, OC-12 and OC-12c ports support both OC-12 and OC-12c bandwidths, and OC-48 and OC-48c ports support both OC-48 and OC-48c bandwidths.
- /3/ The first 84 DS1s can be dropped directly off the shelf. When the customer orders the 85th DS1, a subtended OC-3 shelf is required and the 85th DS1 is dropped from the OC-3 shelf.

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

3rd Revised Sheet No. 64.5
Cancels
2nd Revised Sheet No. 64.5

6. OC-n DEDICATED RING SERVICE (cont'd)

A. DESCRIPTION (cont'd)

Dedicated Ring Configuration (cont'd)

• Ports (cont'd)

	<u>OC-3 Node</u>	<u>OC-12 Node</u>	<u>OC-48 Node</u>	<u>OC-192 Node</u>	
100 Mbps (STS-1) Ethernet Ports	3	12	48	192	/2/
100 Mbps (STS-3c) Ethernet Ports	N/A	4	16	64	/2/
1 Gbps (STS-1) Ethernet Ports	N/A	12	48	192	
1 Gbps (STS-3c) Ethernet Ports	N/A	4	16	64	
1 Gbps (STS-12c) Ethernet Ports	N/A	N/A	4	16	
1 Gbps (STS-24c) Ethernet Ports	N/A	N/A	2 ^{/1/}	8	

/1/ Not available on all Next Generation SONET equipment.

/2/ Material formerly appeared on 6th Revised Sheet 64.4 in this Section.

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

6th Revised Sheet No. 65
Cancels
5th Revised Sheet No. 65

6. OC-n DEDICATED RING SERVICE (cont'd)

A. DESCRIPTION (cont'd)

Dedicated Ring Configuration (cont'd)

• Ports (cont'd)

By using the existing OC-n Point-to-Point Service and cross-connection capability; OC-3 or OC-3c Point-to-Point Service may connect to an OC-3 or OC-3c port of an OC-12, OC-48 or OC-192 ring or OC-12 or OC-12c Point-to-Point Service may connect to an OC-12 or OC-12c port of an OC-48 or OC-192 ring, or OC-48 or OC-48c Point-to-Point Service may connect to an OC-48 or OC-48c port of an OC-192 ring located in a Company wire center. OC-48c bandwidth is only available between two OC-48 or OC-48c ports at different customer premises nodes on the same OC-192 dedicated ring.

As described in OC-n Point-to-Point Service, an OC-3, OC-3c port will permit the connection of STS-1 channels to other STS-1 channels across the OC-12, OC-48 or OC-192 Dedicated Ring Service subject to the overall ring capacity limits described below. Also an STS-1 channel with DS1 payload mapping accessing an OC-12 Dedicated Ring using an OC-3 port may be connected to the Optical to Electrical DS1 Add/Drop Capability for the purpose of connecting up to 28 DS1 ports. An STS-1 channel with DS3 payload mapping accessing the OC-12 or OC-48 Dedicated Ring using an OC-3 port may individually connect to a DS3 port.

DS1 ports, DS3 ports and STS-1 channels within OC-3 ports may not connect to any other ports within the same node. All other port-to-port connections are allowable except for DS3 port to DS1 port connections. If a DS3 to DS1 connection is required, it may be accomplished by the customer's CPE or by utilizing the TransMux capability (OC-3 or OC-12) or current multiplexing environment of DS3 Service and DS1 Service described elsewhere in this tariff. (N) (N)

EC-1 (Electrical Carrier Level 1) Ports

The EC-1 Port (unchannelized) allows for STS-1 electrical connectivity operating at 51.84 Mbps. This port will provide an unchannelized STS-1 interface via the Dedicated Ring Node. EC-1 Ports can be utilized to interconnect SONET network elements using Telcordia-compliant electrical interfaces. (N) (N)

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

8th Revised Sheet No. 66
Cancels
7th Revised Sheet No. 66

6. OC-n DEDICATED RING SERVICE (cont'd)

A. DESCRIPTION (cont'd)

Dedicated Ring Configuration (cont'd)

• **Mileage**

Mileage is the total airline distance between the serving wire center of each node involved on the ring. A one mile minimum will be billed between nodes.

A two node ring configuration has a two mile minimum - one mile from the Wire Center Node to the customer premises node, and one mile from the customer premises node to the Wire Center.

In addition, interoffice transport can be connected between wire centers at a lower OC-n speed than the Dedicated Ring, if the transport is between a dedicated ring port and:

- a lower speed Add/Drop Function;
- a lower speed Local Distribution Channel;
- another lower speed Dedicated Ring Port;
- a lower speed Cross-Connect

All of the above terminations must be the same speed as the transport.

• **Optical to Electrical Add/Drop Capability**

The Optical to Electrical DS1 option allows an electrical DS1 to be derived from an optical OC-12, when more than 84 DS1s are required, or (N) an OC-48 ring by using this capability to add/drop the electrical DS1 from an OC-3.

The Optical to Electrical DS3 option allows an electrical DS3 to be derived from an optical OC-3, OC-12, OC-48 or OC-192 shelf. The manner in which a DS3 is dropped will be designed based on forecast and equipment hierarchy. However, a customer may purchase Central Office (D) Multiplexing. Customers requiring multiplexing at a Customer Premises Node can utilize the TransMux feature (OC-3 or OC-12 only) or must (N) provide CPE to perform this functionality, and it must be compatible (T) with Company equipment.

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

1st Revised Sheet No. 66.1
Cancels
Original Sheet No. 66.1 (T)

6. OC-n DEDICATED RING SERVICE (cont'd)

(T)

A. DESCRIPTION (cont'd)

Dedicated Ring Configuration (cont'd)

• **Dedicated Ring Regenerator**

Regenerators provide essential detection and retransmission of SONET Optical 155.52 Mbps, 622.08 Mbps, 2488.32 Mbps and 9953.28 Mbps signals between nodes. Regenerators will only be provided as required by the Company when actual fiber facility distances between customer-designated nodes exceed inter-nodal design limits (typically 20 to 25 miles). Regenerators will be located exclusively in Company wire centers and do not allow ports to access customer service connections.

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PART 15 - Dedicated Telecommunications Services
SECTION 3 - Base Rate through OC-n Services

4th Revised Sheet 67
Cancels 3rd Revised Sheet 67

6. OC-n DEDICATED RING SERVICE (cont'd)

A. Description (cont'd)

Dedicated Ring Configuration (cont'd)

- **Dedicated Ring Connection Capacity**
Maximum transport capacity of OC-n Dedicated Ring Service is characterized by the total quantity of individual port-to-port connections allowed between all nodes on the ring.

For OC-3 Dedicated Ring Service, the maximum ring capacity will be equal to one of the following combinations:

DS3 Port to DS3 Port Connections	DS1 Port to DS1 Port Connections
Three and	None
Two and	Up to 28
One and	Up to 56
None and	Up to 84

An OC-3 sub-ring (or ARC sub-ring) provided as part of OC-12 or OC-48 Dedicated Ring Service has a maximum capacity equal to one of the above combinations. (N)

For OC-3 Dedicated Ring Service and OC-3 sub-rings (or ARC sub-rings) as part of OC-12 or OC-48 Dedicated Ring Service, individual DS1 port-to-DS1 port and DS3 port-to-DS3 port connections capacities may be incrementally distributed between nodes on the ring in any manner. (N)

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6. OC-n DEDICATED RING SERVICE (cont'd)

A. Description (cont'd)

Dedicated Ring Configuration (cont'd)

- Dedicated Ring Connection Capacity (cont'd)

For OC-12 Dedicated Ring Service, the maximum ring capacity will be equal to one of the following combinations:

DS3 Port to DS3 Port Connections	DS1 Port to DS1 Port Connections
Twelve and	None
Eleven and	One group of 28 (28)
Ten and	Two groups of 28 (56)
Nine and	Three groups of 28 (84)
Eight and	Four groups of 28 (112)
Seven and	Five groups of 28 (140)
Six and	Six groups of 28 (168)
Five and	Seven groups of 28 (196)
Four and	Eight groups of 28 (224)
Three and	Nine groups of 28 (252)
Two and	Ten groups of 28 (280)
One and	Eleven groups of 28 (308)
None and	Twelve groups of 28 (336)

An OC-12 sub-ring (or ARC sub-ring) provided as part of OC-48 Dedicated Ring Service has a (N) maximum capacity equal to one of the above combinations.

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PART 15 - Dedicated Telecommunications Services
SECTION 3 - Base Rate through OC-n Services

6th Revised Sheet 69
Cancels 5th Revised Sheet 69

6. OC-n DEDICATED RING SERVICE (cont'd)

A. Description (cont'd)

Dedicated Ring Configuration (cont'd)

• **Dedicated Ring Connection Capacity (cont'd)**

For OC-12 Dedicated Ring Service and OC-12 sub-rings (or ARC sub-rings) as part of OC-48 (N)
Dedicated Ring Service, individual DS1 port-to-DS1 port (and DS3 port-to-DS3 port) connection capacities may be incrementally distributed between nodes on the ring in any manner.

For OC-12 Dedicated Ring Service using OC-12 Direct Drop Nodes, the maximum ring capacity will be up to 84 DS1 port-to-port connections, together with up to 9 DS3 port-to-port connections, or equivalent. Individual DS1 port-to-port connections up to a total of 84 may be incrementally distributed between OC-12 Direct Drop Nodes on the ring in any manner.

OC-12 Dedicated Ring Service will also provide capability for node-to-node connection of STS-1 or STS-3C channels using OC-3 or OC-3c ports on the OC-12 ring. Each STS-1 to STS-1 channel connection or STS-1 channel to DS3 port connection requested by the customer will reduce the remaining ring capacity by the equivalent of one DS3 port-to-DS3 port connection or 28 DS1 port-to-DS1 port connections.

Each STS-3C to STS-3C channel connection requested by the customer will reduce the remaining ring capacity by the equivalent of three DS3 port-to-DS3 port connections or 84 DS1 port-to-DS1 port connections.

An OC-3 sub-ring provided as part of an OC-12 Dedicated Ring Service reduces the remaining (T)
OC-12 ring capacity by the equivalent of three DS3 port-to-DS3 port connections or 84 DS1 port-to-DS1 port connections.

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

2nd Revised Sheet No. 69.1
Cancels
1st Revised Sheet No. 69.1 (T)

6. OC-n DEDICATED RING SERVICE (cont'd) (T)

A. DESCRIPTION (cont'd)

Dedicated Ring Configuration (cont'd)

• Dedicated Ring Connection Capacity (cont'd)

For OC-48 Dedicated Ring Service, the maximum ring capacity will be equal to one of the following combinations: (T)

DS3 Port to DS3 Port Connections		DS1 Port to DS1 Port Connections	
Forty-eight	and	None	
Forty-seven	and	One group of 28	(28)
Forty-six	and	Two groups of 28	(56)
Forty-five	and	Three groups of 28	(84)
Forty-four	and	Four groups of 28	(112)
Forty-three	and	Five groups of 28	(140)
Forty-two	and	Six groups of 28	(168)
Forty-one	and	Seven groups of 28	(196)
Forty	and	Eight groups of 28	(224)
Thirty-nine	and	Nine groups of 28	(252)
Thirty-eight	and	Ten groups of 28	(280)
Thirty-seven	and	Eleven groups of 28	(308)
Thirty-six	and	Twelve groups of 28	(336)
Continuing down the scale to:			
None	and	Forty-eight groups of 28	(1344)

For OC-48 Dedicated Ring Service, individual DS1 port-to-DS1 port connection capacities may be distributed only in incremental groups of 28 between any two nodes on the ring. Individual DS3 port-to-DS3 port connection capacities may be incrementally distributed between nodes on the ring in any manner. (T)

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SECTION 3 - Base Rate through OC-n Services

3rd Revised Sheet No. 69.2
Cancels
2nd Revised Sheet No. 69.2 (T)

6. OC-n DEDICATED RING SERVICE (cont'd) (T)

A. DESCRIPTION (cont'd)

Dedicated Ring Configuration (cont'd)

• **Dedicated Ring Connection Capacity (cont'd)**

OC-48 Dedicated Ring Service will also provide capability for node-to- (T)
node connection of STS-1 or STS-3C channels using OC-3, OC-3c, OC-12
or OC-12c ports on the OC-48 ring. Each STS-1 to STS-1 channel
connection or STS-1 channel to DS3 port connection requested by the
customer will reduce the remaining ring capacity by the equivalent of
one DS3 port-to-DS3 port connection or 28 DS1 port-to-DS1 port
connections. Each STS-3C to STS-3C channel connection requested by
the customer will reduce the remaining ring capacity by the equivalent
of three DS3 port-to-DS3 port connections or 84 DS1 port-to-DS1 port
connections.

An OC-3 Sub-ring provided as part of OC-48 Dedicated Ring Service (T)
reduces the remaining OC-48 ring capacity by the equivalent of three
DS3 port-to-DS3 port connections or 84 DS1 port-to-DS1 port
connections.

OC-48 Dedicated Ring Service will also provide capability for node-to- (T)
node connections of STS-12C channels using OC-12 ports on the OC-48
ring. Each STS-12C to STS-12C channel connection requested by the
customer reduces the remaining ring capacity by the equivalent of
twelve DS3 port-to-DS3 port connections or 336 DS1-to-DS1 port
connections.

An OC-12 Sub-ring provided as part of OC-48 Dedicated Ring Service (T)
reduces the remaining OC-48 ring capacity by the equivalent of twelve
DS3 port-to-DS3 port connections or 336 DS1 port-to-DS1 port
connections.

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SECTION 3 - Base Rate through OC-n Services

2nd Revised Sheet No. 69.3
Cancels
1st Revised Sheet No. 69.3

6. OC-n DEDICATED RING SERVICE (cont'd)

A. DESCRIPTION (cont'd)

Dedicated Ring Configuration (cont'd)

• **Dedicated Ring Connection Capacity (cont'd)**

For OC-192 Dedicated Ring Service operating with BLSR (Bidirectional Line Switched Ring) protection, the maximum ring capacity directly between adjacent nodes is not to exceed 96 STS-1 circuit equivalents. For OC-192 Dedicated Ring Service operating with UPSR (Unidirectional Path Switched Ring) protection, the maximum ring capacity between all nodes is not to exceed 192 STS-1 circuit equivalents. (C)

OC-192 Dedicated Ring Service will also provide capability for node-to-node connection of STS-1 or STS-3C channels using OC-3, OC-3c, OC-12, OC-12c, OC-48 or OC-48c ports on the OC-192 ring.

OC-192 Dedicated Ring Service will also provide capability for node-to-node connection of STS-12C channels using OC-12, OC-12c, OC-48 or OC-48c ports on the OC-192 ring.

OC-192 Dedicated Ring Service will also provide capability for node-to-node connections of STS-48C channels using OC-48, or OC-48c ports on the OC-192 ring.

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

Original Sheet 69.4

6. OC-n DEDICATED RING SERVICE (cont'd)

A. Description (cont'd)

• **Unprotected Channel Transport**

(N)

Unprotected Channel Transport will allow customers to transport traffic over a ring without enabling SONET protection schemes. This is intended for applications in which the customer provides protection for the circuit through means other than those available through SONET. If a fault occurs on the ring along the transport path, the traffic will not be switched to a protection channel. Service will be interrupted on that circuit until the fault is corrected. If a fault occurs in the ring but does not occur along the transport route, service will not be interrupted on that circuit. Without protection, SONET is unable to meet the normal availability so Credit Allowance credits do not apply and credits will not occur upon an outage of an Unprotected Channel Transport. Credits will not be provided for the whole service when the fault on the ring creates the outage. If a riding service extends off the ring, Credit Allowances for that riding service may be applicable per the respective product tariff. This capability is limited to customers with OC-n Dedicated Ring service installed after July 2, 2007.

(N)

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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

3rd Revised Sheet No. 70
Cancels
2nd Revised Sheet No. 70 (T)

6. OC-n DEDICATED RING SERVICE (cont'd)

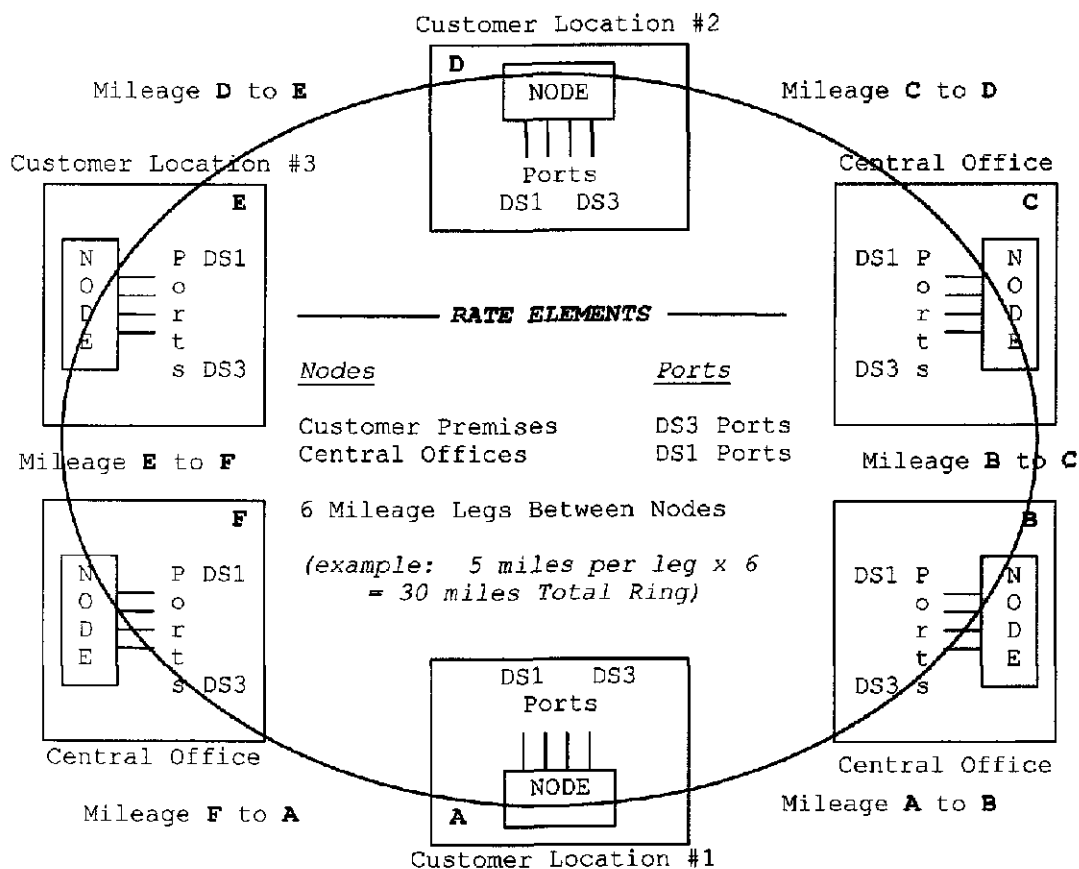
(T)

A. DESCRIPTION (cont'd)

Dedicated Ring Configuration (cont'd)

- *Diagram of OC-3 Dedicated Ring Service*

(T)



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PART 15 - Dedicated Communications Services
SECTION 3 - Base Rate through OC-n Services

3rd Revised Sheet No. 71
Cancels
2nd Revised Sheet No. 71 (T)

6. OC-n DEDICATED RING SERVICE (cont'd)

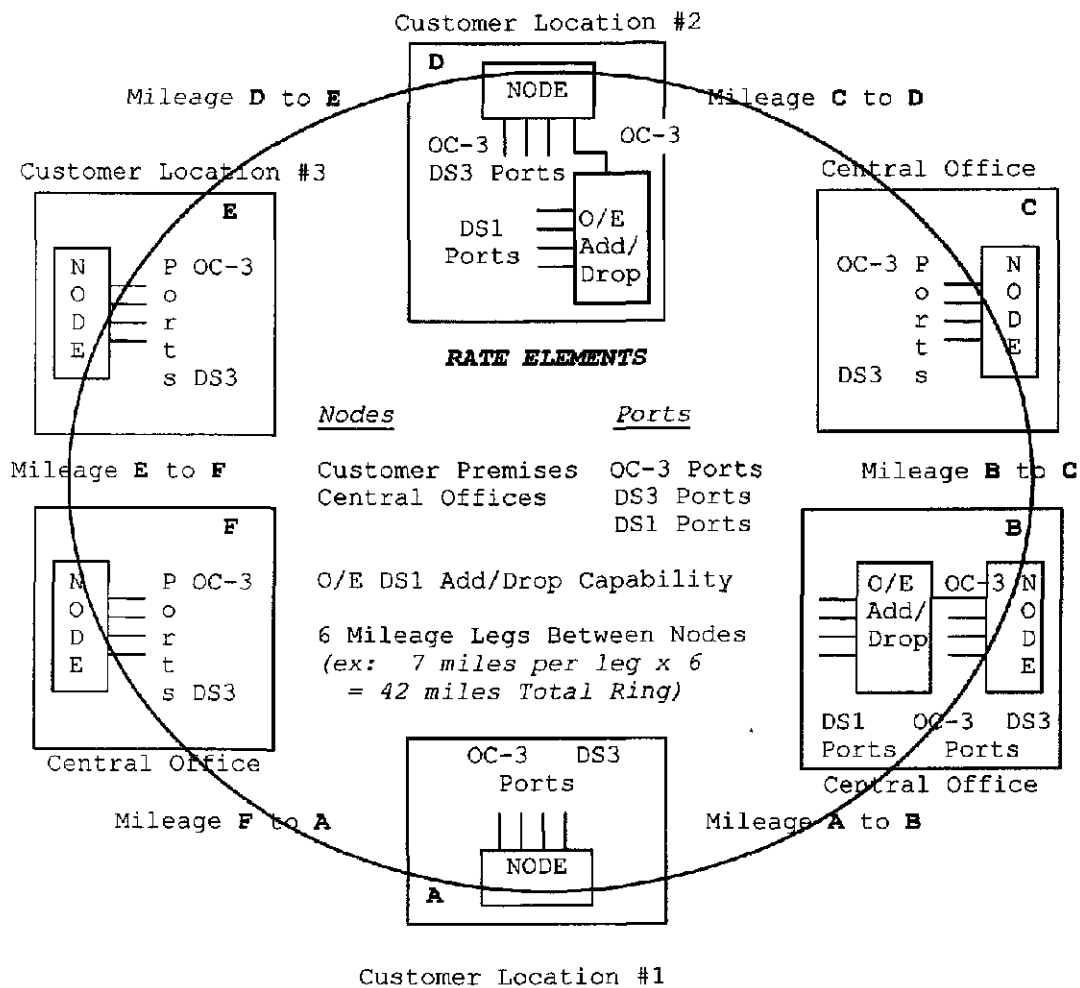
(T)

A. DESCRIPTION (cont'd)

Dedicated Ring Configuration (cont'd)

• **Diagram of OC-12 Dedicated Ring Service**

(T)



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