

REGULATIONS**A. Application of Guidebook**

This section contains general regulations applicable to Dedicated Communications Service (Private Line Service) furnished by the Company (herein after referred to as "the Company") for intraMSA communications between specified customer (the word "customer" as used in this guidebook refers to the customer or authorized user of the service) locations and are in addition to other regulations, Nonrecurring Charges and Prices specified elsewhere in this guidebook and Part 2, Section 2. When reference is made in this guidebook to regulations, prices specified in other guidebooks of the Company, such guidebooks as they now exist, or as they may be revised, added to or supplemented, are hereby adopted and made a part of this guidebook.

1. Private line services are provided between specified customer locations twenty-four hours daily, seven days per week, with a minimum service period of one month (from date of installation) except as otherwise specifically stated. For guidebook purposes, every month is considered to have thirty days.
2. Wherever facilities are provided jointly by the Company and one or more other telephone companies, the regulations, prices of such other telephone companies apply for the equipment and facilities furnished by them for use in connection with the interexchange service provided by the Company.
3. Connections involving private line service may not be made except as authorized in the Connections Section of this guidebook and as described in Part 68 of the Federal Communications Commission's Rules and Regulations.
4. Each Company wire center has been assigned to an access area. A list of the access area assignments can be found in Part 4, Section 2. For services in Part 15, Section 3 following that are subject to access area pricing:
 - a. Local Distribution Channel, Channel Mileage and Channel Mileage Termination rates are dependent upon the access area assignment of the serving wire center.
 - b. Channel Mileage that is computed between wire centers in different access areas will be assessed the rates in the higher access area.
 - c. Multiplexing rates will be determined by the location of the multiplexing arrangement.

REGULATIONS (cont'd)**B. Limitations**

1. When it is necessary to use interexchange private lines of another telephone company in order to furnish a private line service, such private line service will be furnished only if satisfactory arrangements can be made with such other telephone company.
2. All prices listed in this guidebook provide for the furnishing of the specified service subject to the availability of suitable facilities and equipment or where the construction of such facilities or placement of equipment does not involve unusual costs. When the revenue to be derived from the service does not warrant the Company assuming the unusual costs, the customer may be required to pay all or a portion of such costs and/or to contract for the service for a sufficient period of time to warrant the construction, depending on the circumstances in each case.
3. Any equipment offered herein which has grandfathered status under the FCC's Registration Program is offered and provided only to the extent of available stock, unless otherwise specified elsewhere in this guidebook. The Company will maintain the item of equipment only as long as it is repairable. When the Company determines the equipment is no longer repairable, the customer must forego further use of the equipment which will be removed by the Company.
4. For items of equipment, other than those with grandfathered status, which are no longer offered to new customers but which are continued in service for existing customers at the location or locations specified in the regulations for these items, the Company cannot assure that it will continue to maintain these items for more than one year beyond the date when the equipment can no longer be provided to new customers. After one year, the Company will maintain the item of equipment only as long as it is repairable. When the Company determines the equipment is no longer repairable, the customer must forego further use of the equipment which will be removed by the Company.
5. Customers may use customer provided equipment to derive additional channels from a channel furnished by the Company as long as the channel so used remains within the specifications of the channel type provided to the customer. However, the Company does not guarantee the suitability of the channel provided by it for such subdivision into additional channels by the customer.

REGULATIONS (cont'd)**C. Provision of Service**

1. General
 - a. All central office lines shall terminate at the location of the Network Point of Presence (NETPOP) or its equivalent as described in this Section.
 - b. Certain channel and other services require the use of Network Channel Terminating Equipment to meet the transmission requirements of the particular service as described in this Section.
2. Description and Regulations for the Network Point of Presence (NETPOP)
 - a. One NETPOP will be located in or on each building; or in the case of commercial use buildings on a multiple building property, one NETPOP will be located in only one such building on the property.
 - b. The NETPOP will normally be located within 25 feet of the point at which the network cable enters the building. The NETPOP is the point where the Company's network facilities terminate and the Company's responsibility for installing and maintaining facilities ends. Facilities on the customer's side of the NETPOP are not subject to the provisions of this guidebook unless specifically indicated.
 - c. The NETPOP will normally be installed externally for one and two line customers in single customer residence and commercial buildings. This normally applies to installations except where an existing inside network interface device is in place.
 - d. While only one NETPOP is provided as described in A. preceding, one or more Additional Point of Presence (AOPPs), having the operational attributes of a NETPOP, may be provided in multi-unit premises if the property owner determines there are to be separate demarcation point locations for each customer, subject to all of the following conditions:
 1. Where there are multiple demarcation points within the multi-unit premises, a demarcation point for a customer will not be further inside the customer's premises than a point 12 inches from where the wiring enters the customer's premises, or as close thereto as practicable.
 2. The customer or property owner provides a route and support structure suitable to the Company for the entrance facility.
 3. Provision of an APOP may be subject to special construction charges (including charges for ongoing maintenance or rearrangements) described in Part 2, Section 5 except when an APOP is requested to the minimum point of entry for each multi-tenant commercial use building on a multiple building property.
 4. Except for the provisions of this Section, references to a NETPOP are also applicable to an APOP.

REGULATIONS (cont'd)**C. Provision of Service (cont'd)**

2. Description and Regulations for the Network Point of Presence (NETPOP) (cont'd)
 - e. The equipment provided by the Company at a NETPOP or APOP location as the physical interface between network and building facilities may be the Network Interface Device (NID). The specific NID equipment used and the order of appearance of network lines on it shall be determined by the Company. The NID may include a one or two pair modular jack, one or more 25 pair ribbon connectors or comparable interface hardware.
 - f. Facility arrangements in place as of April 1, 1988, will be considered as a NETPOP, APOP or NID, as appropriate, and are subject to the provisions of this Section.
3. Placement of the NETPOP
 - a. For New Service

For all telecommunications services, unless specifically excluded by individual regulations, installed on and after April 1, 1988, the following conditions apply to the placement of the NID at the NETPOP.

 1. The NID will be installed at the end of a central office line for new service in the following circumstances:
 - a. Service was not previously provided to the building; or
 - b. The service request requires placement of additional network facilities to the NETPOP; or
 - c. The Company otherwise determines that NID should be installed.
 2. When customers choose to locate their equipment at a point other than at the Company's NETPOP or equivalent location, the customers may provide wire on their own side of the NETPOP subject to the applicable provisions of Part 2, Section 9, 83 Illinois Administrative Code Part 740 and the F.C.C. Part 68 Rules.

REGULATIONS (cont'd)**C. Provision of Service (cont'd)**

3. Placement of the NETPOP (cont'd)

b. For Existing Service

For all telecommunications services in place as of April 1, 1988, the following conditions apply to the termination of network facilities:

1. Normally, existing equipment at the first termination of a network cable upon entering a building will be the NID. However, if the location of this equipment is beyond the normal NETPOP location, it shall be considered an APOP.
2. If service requests necessitate the installation of additional network facilities, they will be terminated at the NETPOP, except as provided in this Section.
- c. Where the Company is requested to modify existing facility arrangements to terminate on a NID at the NETPOP or to relocate service from an APOP to a NID at the NETPOP, charges are based on the labor time and material used to complete the work.

	Nonrecurring Charges		
	<u>Schedule I</u>	<u>Schedule II</u>	<u>Schedule III</u>
1. Labor Work Charge, each hour or fraction thereof	\$39.00	\$46.00	\$54.00
2. Schedule I is applicable to work performed at customer request Monday through Friday between 8:00 a.m. and 5:00 p.m.			

Schedule II is applicable to work performed at customer request Monday through Friday at hours other than Schedule I and all day Saturday.

Schedule III is applicable to work performed at customer request on Sundays and holidays. Recognized holidays are New Year's Day, President's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the day after Thanksgiving Day and Christmas Day.

3. Billable work will include the travel time involved.
4. All material used in connection with this work is billable based on the current cost of goods, allocable taxes, supply expense, return/contribution and other appropriate costs.
5. When, in order to complete this customer-requested work, additional services such as engineering or special equipment are required, the customer will be required to pay such costs. Where engineering is required, it will be charged at the hourly rate of \$51.00, \$60.00 or \$70.00, respectively, for Schedule I, II or III activity.
6. Firm bids for this work will be provided at the option of the Company. When a firm bid is provided, the charge to be billed is the amount quoted to the customer for the work requested.

REGULATIONS (cont'd)**C. Provision of Service (cont'd)**

4. Location of Network Channel Terminating Equipment

a. For New Service

1. When required for a specified service, Network Channel Terminating Equipment shall be located at the NETPOP as described in this Section.
2. If customers choose to have the Company locate the Network Channel Terminating Equipment at a location other than at the NETPOP location, the Company will place the Network Channel Terminating Equipment at the end of wire placed per the provisions of this Section, with such location becoming a Service Interface.

b. For Existing Service

For all telecommunications services in place as of April 1, 1988, the following conditions apply to the placement of the Network Channel Terminating Equipment when required.

1. Network Channel Terminating Equipment may remain, for those services requiring it, at its present location, which is a Service Interface.
2. A request for relocation of the Network Channel Terminating Equipment shall terminate these provisions and conditions under C.4.a. preceding will apply.
3. A change of the building facilities between the NETPOP location and a remotely deployed Network Channel Terminating Equipment shall terminate these provisions and conditions under C.4.a. preceding will apply.

c. Service Interface (SI)

Where Network Channel Terminating Equipment is required it will be located at the SI. The SI is the point to which the Company's service parameters are met and maintained. It is located at the NETPOP or may be extended as necessary for the proper operation of the associated service. Any wire or cable between the NETPOP and SI is not a network facility and is the responsibility of the customer to provide and maintain.

REGULATIONS (cont'd)**C. Provision of Service (cont'd)**

5. Location of Registered Jacks and Other Jack and Plug Equipment

Registered Jacks installed per F.C.C. Part 68 Rules or other jack and plug equipment will normally be located on the customer side of the NETPOP or equivalent.

6. Location of Inside Wire

Inside Wire is wire for Telecommunications Service customers on the customer side of the NETPOP or equivalent.

7. Location of Protective Connecting Arrangement

A Protective Connecting Arrangement, when required, will be installed close to, and on the customer's side of, the NETPOP or equivalent regardless of where the Customer Premises Equipment may be located.

8. Location of Registered Protective Circuit

A Registered Protective Circuit, when required, will be installed close to, and on the customer's side of the NETPOP or equivalent regardless of where the Customer Premises Equipment may be located.

9. Location of Customer Equipment and Wire

Customer Equipment and Wire will only be located on the customer side of the NETPOP or APOP.

10. Telecommunications services provided to military installations are not subject to the provisions of this Section except as incorporated in separate agreements between the Company and the Department of Defense covering demarcation points.

11. Semipublic and Public Telephone Service network facilities terminate at the coin telephone instrument.

12. Facilities furnished by the Company on the premises of a customer are the property of the Company.

13. Equipment located on the Company's premises used to provide a private line service will be provided by the Company subject to the provisions of Part 2, Section 5.

14. Special equipment and service arrangements for which provision is not otherwise made in this guidebook may be furnished whenever practicable subject to the provisions of Part 2, Section 5.

REGULATIONS (cont'd)

D. Unlawful Use of Service

1. Termination of service shall take place after reasonable notice is provided the customer, or as ordered by the Court.
2. If communications facilities have been physically disconnected by law enforcement officials at the premises where located, and if there is not presented to the Company the written findings of a judge, then upon written request of the subscriber, and agreement to pay restoral of service charges and other applicable Service charges, the Company shall promptly restore such service.
3. Service shall not be used to:
 - a. Make any oral or written comment, request, suggestion or proposal, or to transmit any nonverbal material, which is obscene, lewd, lascivious, filthy or indecent
 - b. Impersonate another person with fraudulent or malicious intent
 - c. Call another person so frequently or at such times of day or in any other manner so as to annoy, abuse, threaten, or harass such other person
 - d. Transmit a message, to locate a person, or to give or obtain information without payment of the charges applicable to such use.
4. No device shall be used by a customer with the service or facilities of the Company for the purpose of avoiding payment of the applicable charge.

REGULATIONS (cont'd)**E. Liabilities of the Company**

1. The Company's failure to provide or maintain services under this guidebook shall be excused by circumstances beyond the Company's reasonable control, subject to the Credit Allowance for a service interruption as set forth elsewhere in this guidebook.
2. The Company does not undertake to transmit messages, but furnishes the use of its facilities for its customers to communicate.
3. The Company is not liable for any defacement of or damage to the premises or property of a customer resulting from the existence of facilities furnished by the Company on the premises, or the installation or removal of such facilities, unless such defacement or damage is the result of negligence of the Company.
4. When facilities or equipment of another telephone company are used in establishing connections to points not reached by the facilities or equipment of the Company, the Company is not liable for any act or omission of the other company.
5. The Company shall not be liable for damage arising out of mistakes, omissions, interruptions, delays, errors or defects in transmission or other injury, including but not limited to injuries to persons or property from voltages or currents transmitted over the service of the Company:
 - a. Caused by customer-provided equipment (except where a contributing cause is the malfunctioning of a Company-provided connecting arrangement, in the event the liability of the Company shall not exceed an amount equal to a proportional amount of the Company billing for the period of service during which such mistake, omission, interruption, delay, error, defect in transmission or injury occurs).
 - b. Not prevented by Customer Provided Equipment (CPE), but which would have been prevented had Company-provided equipment been used. No other liability shall in any case attach to the Company.

REGULATIONS (cont'd)

F. Indemnification

1. The Company shall be indemnified and saved harmless, including costs and reasonable attorney's fees, by the customer or customers against:
 - a. Claims for libel, slander, or the infringement of copyright arising directly or indirectly from material transmitted over the facilities or the use thereof;
 - b. Against claims for infringement of patents arising from combining with, or using in connection with, facilities furnished by the Company, apparatus and systems of the customer;
 - c. Against all other claims arising out of any act or omission of the customer, in connection with the facilities provided by the Company;
 - d. Any liability arising out of the use of broadcast television material picked up and retransmitted to an educational television system;
 - e. Any and all losses from damage to the customer's facilities or equipment attached or connected to facilities furnished by the Company.
2. The Company will refuse to provide, maintain or restore service at outdoor locations unless the customer agrees in writing to indemnify and save harmless the Company from and against any and all loss or damage that may result to facilities or equipment furnished by the Company at such locations.

REGULATIONS (cont'd)**G. Installation, Maintenance and Repair**

1. The Company assumes all ordinary expense of installation, maintenance and repair of the facilities on the network side of the network interface for the service provided. The customer may not install, rearrange, disconnect, remove or attempt to repair or permit others to install, rearrange, disconnect, remove or attempt to repair any equipment installed by the Company on the network side of the network interface except upon written consent of the Company.
2. The customer agrees to notify the Company promptly in writing whenever alterations or new construction on premises owned or leased by the customer, or an authorized user, will necessitate changes in the Company's equipment, and the customer agrees to pay the Company's current charges for such changes. The Company will move the equipment to any point where the Company furnishes similar service accessible with its facilities upon written order, provided the customer agrees to pay the Company's current charges.
3. Special protection may be required for private line services furnished at power generating stations, substations, or other locations which may be subject to high ground potential during fault conditions. When the Company determines that such protective equipment is required, it will be furnished, installed and maintained by the Company at the appropriate prices as set forth elsewhere in this guidebook.
4. Nonrecurring Charges specified in this guidebook contemplate work being performed by the Company during usual working hours on normal working days. When, at the specific request of a customer or applicant for service, work is performed at other times, either for the convenience of the customer or applicant for service or for other reasons not under control of the Company, the expense incurred by the Company in excess of the normal expense of such work, when performed during usual working hours on normal working days, may be billed to the customer or applicant for service, in addition to the charges otherwise applicable.
5. When a customer requests that Company personnel be available at a customer's premises on a "stand-by" basis (e.g. at sporting events, one-time entertainment events, etc.), time, including travel time and overtime premiums (as appropriate), will be charged to the customer in addition to any other appropriate prices applicable to the service ordered.

REGULATIONS (cont'd)**H. Customer Obligations and Responsibilities**

1. Customer provided equipment must operate within the transmission parameters of the channel facilities furnished.
2. If a customer's use of service interferes unreasonably with the service of other customers, the interfering customer will be required to take service in sufficient quantity or of a different class or grade.
3. The customer must fully compensate the Company for damages to Company provided facilities caused by negligence or willful act of the customer. The customer must also reimburse the Company for any loss through theft of facilities, equipment or apparatus on the customer's premises.
4. The customer shall provide a route and support structure suitable to the Company for the entrance facility.
5. When a customer is so located that it is necessary for the Company to obtain right-of-way to furnish and maintain service, the customer may be required to pay the cost (including rental) of securing and retaining such right-of-way.
6. The Company's obligation to furnish service, or to continue to furnish service, is dependent on its ability to obtain, retain and maintain suitable rights and facilities and to provide for installation and maintenance of the necessary poles, rooftop antennas and associated mounting structures and facilities, lines, circuits and equipment.
7. When, at the request of the customer, the Company rearranges, moves or replaces existing facilities or equipment within a building or entering a building, the customer will pay all associated costs.

REGULATIONS (cont'd)**H. Customer Obligations and Responsibilities (cont'd)**

8. When and where Company equipment and facilities are installed on a customer's premises and the equipment and facilities requires floor and/or wall space, the customer shall provide, maintain and bear the expense of the following:
 - Floor and wall space and any other structure or housing required for the installation, operation, maintenance, and removal of Company equipment and facilities.
 - An environment to include HVAC and power as outlined in paragraph H.9 below.
 - Company access to such spaces for installing, testing, inspecting, operating, repairing or removing Company equipment, facilities and services.
 - When required, conduit and all other support structure in buildings to meet applicable building and electrical codes.
 - When required, the penetration of floors and walls and the fire stopping and sealing of pathways through floors and walls. The work must be performed in compliance with all applicable federal and state building, electrical, and safety codes.
 - The path and connection from the buildings main electrical ground and the Company protector.
 - Provide and maintain a suitable space, housing, and environment to protect equipment and facilities from damage, harm, or interference from the surrounding environment, weather or other hazards during installation, operation, maintenance, and removal of equipment and facilities.
9. When and where Company equipment is installed on a customer's premises and the equipment requires power for its operation, the customer is responsible for providing a suitable supply of commercial power, including convenience outlets and lighting, at no cost to the Company.
10. See *Special Construction Charges* for additional obligations and responsibilities of the customer.

REGULATIONS (cont'd)**I. Advance Payments and Deposits**

See Part 2, Section 2, *Establishing Credit*.

J. Cancellation of Application for Service

See Part 2, Section 2, *Cancellation of Application For Service* and Part 2, Section 5.

K. Disconnection or Refusal of Service

The Company may disconnect or refuse service for any of the reasons stated below:

See Part 2, Section 2, *Disconnection or Refusal of Service*.

L. Termination of Service

1. Service is considered terminated by discontinuance or relocation prior to the expiration of the minimum service period, except where otherwise stated in this guidebook.
2. If specific termination charges are defined in the product guidebooks, those charges apply.
3. If no specific termination charges are defined, full service charges apply for the unexpired portion of the minimum service period.
4. Service may be terminated after expiration of the minimum service period upon notice being given to the Company ten days in advance and upon agreement to pay the charges due to the date of termination of service.
5. For multiple like items, termination charges will be applied treating the last like item installed as the first item removed.
6. Except as provided above, no charges are applied for removal of service or equipment.

M. Assignment or Transfer of Service

The service of a customer, or any rights associated therewith, may be assigned or transferred, with the customer's consent, only under the following conditions:

1. There is no interruption or relocation of the service.
2. The assignee or transferee assumes all outstanding indebtedness for the service and the unexpired portion of the service period originally contracted for.
3. All regulations and conditions contained in this guidebook shall apply to the assignee or transferee.

REGULATIONS (cont'd)**N. Change in Service Arrangement**

If a modification of use causes a service to be re-designated from an Exchange to an Access status, such a change is allowed without incurring Termination Charges, given the following conditions are met:

- There must be no change in service locations
- The new Term Payment Plan (TPP) must be equal to or longer than the remaining time in the existing TPP^{/1,3/}

(C)

Upgrades are permitted subject to underlying product guidebooks.

Nonrecurring charges associated with the service under the new jurisdiction may apply.

O. Resale

The Company will permit resale or sharing of private line service under the terms and conditions of this guidebook. The Customer of Record shall be liable for all charges, and the Company shall not be responsible for the allocation of usage or charges for resold/shared service. In the event of the failure of the Customer of Record to pay all charges by the due date, the users shall be jointly and severally liable for such charges.

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.

Part 15, Section 2, **MILEAGE MEASUREMENT**, paragraph B. *V&H Coordinate System* lists the V & H coordinates for Illinois wire centers.

/1/ As of October 1, 2013, Term Payment Plan terms greater than 36 months are no longer available for new or renewing subscribers of DS1 Service, DS3 Service, OC-n Point-to-Point Service, Central Office Multiplexing and Cross Connect Services, and Network Reconfiguration Service (NRS)^{/2/}.

/2/ Effective October 30, 2018, Network Reconfiguration Service (NRS) will no longer be available for purchase by new or existing customers. See Part 20, Section 15.

/3/ As of January 15, 2021, 24 and 36 Month Term Payment Plans are no longer available for new or renewing subscribers of DS1 Service, DS3 Service, and Central Office Multiplexing and Cross Connect Services.

(N)
(N)

REGULATIONS (cont'd)**P. Mileage Calculations Using V & H Coordinates (cont'd)***Calculation*

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

Example:

Function V H

Step 1

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

Wire Center #1	5574	2543
Wire Center #2	5495	2508

Step 2

Calculate the difference^{/1/} between the V & H coordinates
of the two wire centers

Difference	79	35
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Step 3

Square the V and H difference found in Step 2

Square	6,241	1,225
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Step 4

Add the squares of the V and H differences found in Step 3

Add	7,466
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Step 5

Divide the sum of the squares determined in Step 4 by 10

Divide by 10	746.6
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Step 6

Obtain the square root of the result obtained in Step 5

Square Root	27.3
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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
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/1/ The difference is always obtained by subtracting the smaller coordinate from the larger coordinate.

REGULATIONS (cont'd)**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.
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.

REGULATIONS (cont'd)**Q. Shared Network Arrangement (cont'd)**

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 Guidebook 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.
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.

TERM PAYMENT PLANS

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

- Base Rate Service^{/1/} (C)
- DS1 Service^{/2,6/} (C)
- DS3 Service^{/2,6/} (C)
- OC-n Point-to-Point Service^{/2/}
- OC-n Dedicated Ring Service^{/3/}
- Central Office Multiplexing and Cross Connect Services^{/2,6/} (C)
- Network Reconfiguration Service (NRS)^{/2,5/}
- GigaMAN® Service^{/4/}
- Multi-service Optical Network Ring (MON Ring) Service
- DecaMAN® Service^{/4/}

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/ 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.

/2/ As of October 1, 2013, Term Payment Plan terms greater than 36 months are no longer available for new or renewing subscribers.

/3/ All term plans for OC-n Dedicated Ring Service which are established, renewed or extended after December 13, 2013, for term lengths which are scheduled to expire at any time after February 1, 2019, will instead expire on February 1, 2019. Notwithstanding anything to the contrary in the previous sentence, this footnote does not apply to any term plans established after July 15, 2017.

/4/ Effective September 30, 2017, GigaMAN Service and DecaMAN Service will no longer be available for purchase by new or existing customers. See Part 20, Section 15.

/5/ Effective October 30, 2018, Network Reconfiguration Service (NRS) will no longer be available for purchase by new or existing customers. See Part 20, Section 15.

/6/ As of January 15, 2021, 24 and 36 Month Term Payment Plans are no longer available for new or renewing subscribers of DS1 Service, DS3 Service, and Central Office Multiplexing and Cross Connect Services. (N)

TERM PAYMENT PLANS (cont'd)

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

A. Changes

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 greater length or to a higher speed service, so long as any product-specific upgrade criteria are met (refer to the applicable product guidebook), 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.
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:
 - 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 guidebook 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.

TERM PAYMENT PLANS (cont'd)**A. Changes (cont'd)**

5. During a customer's DS3 Service^{/3/} TPP term, conversion may be made from one DS3 Service or DS3 Service package^{/1/} 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. (C)

B. 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. (C)
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^{/3/}, OC-n Point-to-Point Service, GigaMAN® Service^{/2/}, Multi-service Optical Network Ring (MON Ring) Service or DecaMAN® Service^{/2/}). At a later date, the customer may elect any TPP option currently in effect for new customers. (C)
3. Monthly extension prices for DS3 Service^{/3/}, OC-n Point-to-Point Service, GigaMAN® Service^{/2/}, Multi-service Optical Network Ring (MON Ring) Service or DecaMAN® Service^{/2/} will apply only after a customer has completed a TPP term. (C)
4. The monthly TPP prices applicable for the new term are those currently in effect for new customers. (C)
5. There are no Nonrecurring Charges associated with renewing a TPP. (C)

/1/ DS3 Service Packages will not be available to new customers after March 13, 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 Guidebook. However, existing customers may not order new DS3 Service Packages, renew their DS3 Service Package TPP, or upgrade to other DS3 Service Packages after March 13, 2000. Customers may convert their existing DS3 Service Package(s) to DS3 Service as offered after March 13, 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 not be available after March 12, 2005.

/2/ Effective September 30, 2017, GigaMAN Service and DecaMAN Service will no longer be available for purchase by new or existing customers. See Part 20, Section 15.

/3/ As of January 15, 2021, 24 and 36 Month Term Payment Plans are no longer available for new or renewing subscribers of DS3 Service. (N) (N)

TERM PAYMENT PLANS (cont'd)**C. Moves**

During a TPP term, only those customers paying published TPP rates may move one Local Distribution Channel (LDC) of a Base Rate^{/1/}, DS1^{/3/} or DS3^{/3/} Service to another location in the same MSA and keep the TPP in force, provided no lapse in service occurs. Nonrecurring Charges, as appropriate, will apply. (C)

D. Network Reconfiguration Service (NRS)^{/2/}

During a customer's TPP term, a customer may elect to include DS3^{/3/}, DS1^{/3/} 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. (C)

E. Termination Charges

Customers requesting termination of the service (or a leg(s) of a multipoint circuit) provided under the Term Payment Plan (TPP) prior to the expiration of the TPP term will remain liable for payment of a termination charge. 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 March 22, 2004:

- In addition to any unpaid Special Construction or nonrecurring charges (excluding any waived charges), customer termination liability for cancellation of service shall be equal to fifty percent (50%) of all recurring charges for the remaining months of the customer's term.

For service term agreements in effect prior to March 22, 2004:

The lesser of ...

- The termination charge defined above, or
- The termination charges defined in the following paragraphs

/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.

/2/ Effective October 30, 2018, Network Reconfiguration Service (NRS) will no longer be available for purchase by new or existing customers. See Part 20, Section 15.

/3/ As of January 15, 2021, 24 and 36 Month Term Payment Plans are no longer available for new or renewing subscribers of DS1 Service and DS3 Service. (N)

TERM PAYMENT PLANS (cont'd)**E. Termination Charges (cont'd)**

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

DS3 Service Packages^{/1/}
OC-n Dedicated Ring Service
- termination charges - see 3. 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 price termination charges will be based on the TPP prices in effect at the time of termination.

/1/ DS3 Service Packages will not be available to new customers after March 13, 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 Guidebook. However, existing customers may not order new DS3 Service Packages, renew their DS3 Service Package TPP, or upgrade to other DS3 Service Packages after March 13, 2000. Customers may convert their existing DS3 Service Package(s) to DS3 Service as offered after March 13, 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 not be available after March 12, 2005.

TERM PAYMENT PLANS (cont'd)**E. Termination Charges (cont'd)**

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

DS3 Service Packages^{/1/} termination charges

OC-n Dedicated Ring Service termination charges – see 3. following

GigaMAN® Service^{/2/} termination charges – see 4. following

Multi-service Optical Network Ring (MON Ring) Service termination charges – see 5. following

Will be calculated as follows:

Service discontinued in first through 11th month

$((40\% \times 12\text{-month TPP price}) \times (12 - \text{number of months in service})) + ((12\text{-month TPP price} - \text{subscribed to TPP price}) \times \text{number of months in service}) = \text{Termination Charge}$

Example:

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

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

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

/1/ DS3 Service Packages will not be available to new customers after March 13, 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 Guidebook. However, existing customers may not order new DS3 Service Packages, renew their DS3 Service Package TPP, or upgrade to other DS3 Service Packages after March 13, 2000. Customers may convert their existing DS3 Service Package(s) to DS3 Service as offered after March 13, 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 not be available after March 12, 2005.

/2/ Effective September 30, 2017, GigaMAN Service and DecaMAN Service will no longer be available for purchase by new or existing customers. See Part 20, Section 15. (N) (N)

TERM PAYMENT PLANS (cont'd)**E. Termination Charges (cont'd)**

2. (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.

3. For OC-n Dedicated Ring Service, Termination Charges will apply for the Node only as described below:
 - All unpaid Special Construction or nonrecurring charges (excluding any waived charges), plus;
 - 50% of all recurring charges for the remaining months of the customer's term.

TERM PAYMENT PLANS (cont'd)**E. Termination Charges (cont'd)**

4. In addition to any unpaid Special Construction charges, customer termination liability for cancellation of GigaMAN® Service^{/2/} shall be equal to:
 - All unpaid nonrecurring charges (excluding any waived charges), plus
 - Thirty-five (35) percent of all recurring charges for the remaining months of the customer's term.
5. In addition to any unpaid Special Construction charges, customer termination liability for cancellation of Multi-service Optical Network Ring (MON Ring) Service shall be equal to:
 - All unpaid nonrecurring charges (excluding any waived charges), plus
 - Fifty (50) percent of all recurring charges for the remaining months of the customer's term.
6. Termination Charges will apply to all changes in the customer's physical location of the service except for changes in the customer's physical location of Base Rate Service^{/1/} and DS1 Service^{/3/} (C) within the same LATA. Nonrecurring Charges, as appropriate, will 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.

/2/ Effective September 30, 2017, GigaMAN Service and DecaMAN Service will no longer be available for purchase by new or existing customers. See Part 20, Section 15.

/3/ As of January 15, 2021, 24 and 36 Month Term Payment Plans are no longer available for new or renewing subscribers of DS1 Service. (N)

TERM PAYMENT PLANS (cont'd)**F. 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 choose the prepayment option will receive a credit on their monthly bill which will reflect the value of their prepayment amount over the life of the customer's contract. The credit will be used to offset the monthly guidebook rates which will continue to be billed. The prepayment amount will reflect the present worth of the monthly credit using an interest rate of 10.9% per year to customers who sign a new contract, extend an existing contract or prepay the monthly charges for the remaining term of their contract.
2. Customers may extend the length of their current Term Payment Plan. A new credit 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.

CREDIT ALLOWANCES**A. Installation of Service**

A failure to meet the installation interval service date, as specified in the 13 State Interval Guide found at www.att.com, 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 premise 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.

B. Interruption of Service

For Channel Services, Bridged Telemetry and Alarm Service, service interruption and credit allowance for interruptions to service are as defined under the provisions of Part 2, Section 2, *Interruptions to 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.

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

CREDIT ALLOWANCES (cont'd)**B. Interruption of Service (cont'd)**

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

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.

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 multipoint 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 provider (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.

EXPEDITED ORDER CHARGE

Ordering and provisioning of the following services can be expedited for an additional charge:

- Analog Channel Services Series 1000, 2000 and 3000
- Base Rate Service
- DS1 Service^{/1/}

(C)

If a customer desires that service be provided on a due date earlier than the standard established ordering or provisioning interval, 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 AT&T Illinois and an Independent Telephone Company.

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

<u>Description</u>	<u>USOC</u>	<u>Expedite Order Charge</u>	
Analog Channel Services and Base Rate Service	EODDO	\$650.00	
DS1 Service ^{/1/}	EODD1	650.00	(C)

/1/ As of January 15, 2021, 24 and 36 Month Term Payment Plans are no longer available for new or renewing subscribers of DS1 Service. (N)

(N)

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.

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.

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.

DEFINITIONS (cont'd)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.

Interface

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

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 Distribution Channel

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

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.

DEFINITIONS (cont'd)**Serving Wire Center**

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

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.