AUTOMATIC IDENTIFIED OUTWARD DIALING (AIOD) SERVICE /a/

A. GENERAL

1. Existing service may be retained by the customer at his present address. This service will be maintained and additions and changes allowed dependent upon availability of central office facilities.

2. AIOD is furnished where facility conditions in the central office serving the customer permit, on trunk lines (excluding FX and WATS) to customer premises PBX systems which are equipped for compatible AIOD operation.

3. AIOD requires special physical arrangement of the facilities of the Company and is therefore subject to the availability of such facilities.

4. The assignment of numbers for AIOD service and the sequence of numbers assigned to a customer's telephone service is made at the discretion of the Company.

5. Description of the central office portion of the AIOD service.

   a. The C.O. AIOD equipment and identification trunks when associated with station numbers provide for recording and identification by station number of outward direct dialed toll calls, Directory Assistance Service calls and operator handled toll calls for billing purposes.

   b. The Central Office trunks connecting the C.O. AIOD service with Company or customer-provided System AIOD equipment provide the access lines for the completion of calls to or from the exchange network.

6. The Central Office trunks are provided as follows:

   a. AIOD must be provided on all outgoing trunks serving AIOD station lines.

   b. When AIOD is provided on more than one central office trunk group, each group would be considered a separate service for the application of the AIOD minimum charge.

   c. When a portion of the station lines are not equipped for AIOD, a trunk group not equipped for AIOD is required to serve those station lines arranged for access to the exchange network.

7. When AIOD is furnished in connection with customer-provided switching systems the charges for voice connecting arrangements, regulations on maintenance of service and general regulations apply as specified elsewhere in the Company's tariffs.

/a/ Rates in effect for services no longer offered for new installations.

Material originally appeared in INFORMATION LINK No. 2, on Original Sheet S-21

AUTOMATIC IDENTIFIED OUTWARD DIALING (AIOD) SERVICE (Cont'd)

A. GENERAL (Cont'd)

8. Directory Assistance Service

Explanation of terms and charges are specified in Tariff M.P.S.C. No. 20R, Part 12.

9. Limitations of Service

a. AIOD is furnished upon condition that the customer contract for adequate facilities to permit the use of the service without injurious effect upon the general telephone service.

b. The Company may refuse to furnish or to continue to furnish service for failure to comply with 9.a. above and as covered in General Regulations - Cancellation for Cause in Tariff M.P.S.C. No. 20R, Part 2.

AUTOMATIC IDENTIFIED OUTWARD DIALING (AIOD) SERVICE (Cont'd)

A. GENERAL (Cont'd)

10. Special Billing Arrangement

a. A Special Billing Arrangement is available to colleges, universities and similar educational institutions served by a PBX system or customer provided switching system for station lines serving living quarters of students, faculty members or employees who reside in dormitories or other residential quarters owned, leased or under the control of the college or university.

b. Regulations

(1) The Special Billing Arrangement will only be furnished where such station lines are equipped for AIOD Service.

(2) The Company will bill and collect Directory Assistance Service charges, long distance messages, telegrams, cablegrams and radiograms sent paid from or received collect at such station lines.

(3) The regulations set forth for deposits and payment for service in Tariff M.P.S.C. No. 20R, Part 2, shall be applicable to individual users.

(4) Billing and Collecting

(a) The college or university decides whether it will bill the individual users or the Company will bill the individual users.

(b) When the Company bills the individual users, a written agreement with the college or university will be required to provide:
- The college or university shall agree to render assistance to the Company in the prompt collection of charges billed to station lines.

-The college or university shall agree that in the event of nonpayment of any charges billed to a student, faculty member or employee, the college or university, upon the request of the Company, shall provide a toll diversion arrangement or disconnect the station line used by that student, faculty member or employee until the charges due have been paid. Where the college or university fails to take this action following such request of the Company, the

AUTOMATIC IDENTIFIED OUTWARD DIALING (AIOD) SERVICE (Cont'd)

A. GENERAL (Cont'd)

10. Special Billing Arrangement (Cont'd)

b. Regulations (Cont'd)

(4) Billing and Collecting (Cont'd)

(c) Where the Company assumes the responsibility of collecting from the individual users and bills message toll charges and Directory Assistance Service Charges directly to the station line, a Special Billing Arrangement charge of $0.25 applies for each statement rendered.

(d) The Service Charge to establish an account is also applicable to establish a Special Billing Arrangement on each station line, and to reestablish a Special Billing Arrangement which has been discontinued at the request of the college or university by the Company for nonpayment of charges on the account discontinued.

Material originally appeared in INFORMATION LINK No. 2, on Original Sheet S-21.1

OPT-E-MAN® Service /3/

Service Availability (N)
Effective June 30, 2021, OPT-E-MAN Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly Extension rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2023. (N)

A. Description /3/

OPT-E-MAN Service is an optically switched data service which allows for versatile scalability and flexibility over an Ethernet network provided by the Company. OPT-E-MAN Service allows businesses to interconnect customer locations within a Metropolitan Area Network (MAN) as if they were segments on the same LAN using packet-based switching technologies. Connections at the customer premises are made using Native Ethernet interfaces and traverse the MAN over fiber and/or copper facilities (at the Company's discretion). OPT-E-MAN Service provides dedicated bandwidth from 2 Mbps up to 1 Gbps.

Customers connect to OPT-E-MAN Service via one of the following standard connections, as requested by the customer:

- 10/100BaseT (100 Mbps)
- Gigabit Ethernet (1000BaseSX, 1000BaseLX/LH or 1000BaseZX)/1/

Customers may connect any two or more locations together when utilizing a point-to-point or point-to-multipoint configuration, and a minimum of three or more locations when utilizing a multipoint-to-multipoint configuration/2/, as long as they are in the same LATA or MAN and the service is available.

OPT-E-MAN Service includes the connection from the customer's premise to the Ethernet network, a port on the Ethernet network, a Committed Information Rate (CIR), and Ethernet Virtual Connections (EVCs). Ethernet Virtual Connections (EVCs) are logical connections that establish a logical path for customer traffic between two customer locations. A portion of the CIR is assigned to each EVC to establish how much bandwidth each path should have.

OPT-E-MAN is a registered trademark of AT&T Intellectual Property

/1/ CIR is inclusive of allowances for overhead within the Ethernet network. If a customer orders 1 Gbps of CIR on a single port, the Company reserves the right to use up to 10% of the bandwidth for traffic management.
/2/ This provisioning requirement will only apply to new service installed after November 29, 2006. /3/
/3/ Material formerly appeared in Part 6, Section 9.

OPT-E-MAN® Service (cont'd) /1/

A. Description (cont'd)

OPT-E-MAN is provided under several service configurations:

Basic — The OPT-E-MAN Basic service configuration provides the customer a switched, logical point-to-point or point-to-multipoint connection between customer locations, using a physical connection to the network, and virtual connections through the OPT-E-MAN network.

Basic Plus — The OPT-E-MAN Basic Plus service configuration provides the customer a switched, logical point-to-point, point-to-multipoint or multipoint-to-multipoint connection between customer locations, using a physical connection to the network, and virtual connections through the OPT-E-MAN network.

Service configurations include a choice of one of three underlying Grades of Service: Best Effort, Bronze and Silver. Each Grade of Service offers a different level of service performance. The following describes the service parameters for each Grade of Service.

Best Effort — This Grade of Service supports non-critical data applications with more tolerance for delay and/or those that are lower in priority (i.e. LAN traffic). There are no service performance parameters associated with this Grade of Service.

Bronze — The applications best suited for this Grade of Service are general data applications with more tolerance for delay and/or those that are lower in priority. This Grade of Service is the appropriate selection for general data traffic since it tolerates bursty and time-varying traffic. The service parameters associated with this Grade of Service are Packet Delivery Rate (PDR) and Latency.

Packet Delivery Rate is at least 99.5% of total traffic from source Network Terminating Equipment (NTE) to the destination NTE to which the customer port is attached.

Latency is limited to a delay across a connection of no more than 27 ms (54 ms roundtrip) one-way end-to-end within the Company's network for packets 1500 bytes or less.

Silver — This Grade of Service supports applications that require minimal loss and low latency variation (jitter). Data in this Grade of Service will be provisioned in a priority queue indicating that it is delay sensitive. The service parameters associated with this Grade of Service are Packet Delivery Rate (PDR), Latency and Jitter.

Packet Delivery Rate is at least 99.9% of total traffic from source Network Terminating Equipment (NTE) to the destination NTE to which the customer port is attached.

Latency is limited to a delay across a connection of no more than 18 ms (36 ms roundtrip) one-way end-to-end within the Company's network for packets 1500 bytes or less.

Jitter is limited to less than 12 ms one-way end-to-end within the Company's network. /1/

/1/ Material formerly appeared in Part 6, Section 9.

OPT-E-MAN® Service (cont'd) /1/

B. Definitions

Jitter
Jitter is the delay that occurs between 2 packets or Ethernet frames that are traversing the network. Jitter is calculated as the delay variance of the packets transported across the network or the delta of delay between two consecutive packets. It is measured between two endpoints, and will consist of measuring the time between a set of packets. Jitter is measured by averaging sample measurements taken during a 30 day period between network terminating equipment to which the customer ports are attached when the OPT-E-MAN network is available.

Latency
Latency is the amount of time necessary for a typical frame to traverse the network. Latency is calculated as the measurement of time taken for a customer frame to go from one end of the network (origination point) to the other end (termination point). The measurement will consist of measuring the time it takes to "ping" or travel from the origination to termination ports for the connection in question. Latency is measured by averaging sample measurements taken during a 30 day period between network terminating equipment to which the customer ports are attached when the OPT-E-MAN network is available.

Media Access Control (MAC) Addresses
Denotes a data link layer protocol used for Layer 2 connectivity.

Packet Delivery Rate (PDR)
Packet Delivery Rate (PDR) is a measurement of the actual amount of useful and non-redundant information that is transmitted or processed from end-to-end across the network. It is a function of bandwidth, error performance, congestion and other factors. PDR is expressed as a percentage of Ethernet frames offered to the network that successfully traverse the network, end-to-end, within the CIR, and within a 30 day period. PDR is calculated as the total number of effective Ethernet frames, per port, that successfully traverse the network divided by the total number of effective Ethernet frames, per port, offered to the network within a 30 day period. Those frames that violate the maximum range will be excluded from the calculation. PDR is measured by averaging sample measurements taken during a 30 day period from network terminating equipment to network terminating equipment to which the customer ports are attached when the OPT-E-MAN network is available. /1/

/1/ Material previously appeared in Part 6, Section 9.

OPT-E-MAN® Service (cont'd) /1/

C. Terms and Conditions

In addition to regulations set forth elsewhere in this Guidebook, the following regulations apply to OPT-E-MAN Service:

1. OPT-E-MAN Service is provided at the option of the Company where equipment and facilities permit. If appropriate facilities are not available, Special Construction charges may apply.

2. The customer provided equipment (CPE) must deliver the data signal for the OPT-E-MAN transport within the industry specification for the subscribed data service. See Paragraph *E. – Technical References.*

3. OPT-E-MAN Service supports full duplex communication.

4. OPT-E-MAN Service does not allow for oversubscription. The sum total of the Usage assigned to EVCs are mapped to a single port, and cannot exceed the ordered CIR.

5. If a customer connects to the OPT-E-MAN network using a bridge or switch for Layer 2 connectivity, only 50 MAC addresses can be used per Layer 2 device, per port. Any additional addresses will be assessed an additional charge, with a limit of 100 MAC addresses total per port. See *Prices* following.

6. If a customer desires service from a Serving Wire Center that is not equipped to provide OPT-E-MAN Service, additional charges may apply for use of a Repeater. A network engineering study will need to be completed to ensure adequate service provisioning is capable. See *Prices* following.

7. For Basic Service, a total of 8 Ethernet Virtual Connections (EVCs) may be configured per 10/100BaseT connection, and a total of 64 EVCs may be configured per 1 Gbps connection. For Basic Plus Service, a total of 7 EVCs may be configured per 10/100BaseT connection, and a total of 63 EVCs may be configured per 1 Gbps connection. Should the customer request more than 64 EVCs on a Basic Service 1 Gbps connection, or more than 63 EVCs on a Basic Plus Service 1 Gbps connection, a technical review will need to be conducted to determine whether the network will support more EVCs. /1/

/1/ Material formerly appeared in Part 6, Section 9.

OPT-E-MAN® Service (cont'd) /1/

C. Terms and Conditions (cont'd)

8. If a customer desires that service be provided on a due date less than the standard interval, the customer may request that service be provided on an expedited basis. If the Company determines that service can be provided on the requested expedited date and spare facilities are available, the Expedite Order Charge (per port, per location) will apply. See *Prices* below.

9. If the customer cancels service prior to installation being completed, a Service Order Cancellation Charge (per port, per location) will apply. See *Prices* below. The customer's intent to cancel service must be made in writing.

10. The CIR selected by the customer must be committed to for a 30 day period before an increase in CIR can be requested.

11. OPT-E-MAN Service may be available in a meet-point billing arrangement involving another Incumbent Local Exchange Carrier (ILEC) (sometimes also referred to as an Independent Company or ICO), where suitable facilities exist and where appropriate procedures for such arrangements have been put in place between the Company and the other ILEC. When the Company and another ILEC jointly provision OPT-E-MAN Service with the other ILEC's service, the ILEC involved shall bill the customer at that ILEC's applicable rates for their portion of the service located in their operating territory. Ordering and provisioning procedures may vary, and therefore Meet-Point rate elements and charges may not be applicable, when the other ILEC involved in the Meet-Point arrangement is an AT&T ILEC.

12. A Letter of Authorization (LOA) will need to be established if customers want to purchase a logical connection via an Ethernet Virtual Connection (EVC) to another customer in order to ensure security and accuracy in the connection. /1/

/1/ Material formerly appeared in Part 6, Section 9.

OPT-E-MAN® Service (cont'd) /1/

C. Terms and Conditions (cont'd)

13. Service Level Agreements (SLAs) are offered with this service for the Bronze and Silver Grades of Service, and provide customers with end-to-end performance backed by service credits if minimum quality standards are not met by the Company.

    Network Availability
    Network Availability of 99.95% per month, including the local loop, is provided by the Company. This equates to less than 21.6 minutes of downtime per month (based on a 30-day month), excluding maintenance windows and other appropriate exclusions (see Exclusions following). Network Availability is calculated as the percentage of time that the OPT-E-MAN network is capable of accepting and delivering customer data to the total time in the measurement period. The calculation for Network Availability for a given calendar month is as follows:

    Network Availability =
    [24 hours x days in month x 60 minutes x number of customer sites] – network outage time (measured in minutes)

    [24 hours x days in month x 60 minutes x number of customer sites]

    - As noted in the above formula, all ports included in a customer's network are utilized in calculating *Network Availability*.
    - The customer is responsible for (1) notifying the Company within 45 days after the end of the month when the service parameter within the calendar month falls below the committed level, and (2) requesting a service credit.
    - Upon verification by the Company that the actual service performance for that parameter was less than the committed level, the customer will be provided a service credit equal to 10% of the monthly recurring charge for that service parameter for all affected ports.

14. Grade of Service SLAs are provided for OPT-E-MAN Service for the Bronze and Silver Grades of Service. If the Company fails to meet service parameters defined for the Bronze or Silver Grades of Service, a service credit will be offered to the customer given certain conditions are met:

    - The customer is responsible for (1) notifying the Company within 45 days after the end of the month when the service parameter falls below (or above) the committed level, and (2) requesting a service credit.
    - Upon notification by the customer that the actual service performance for that parameter was less than the committed level, the Company has 30 days to correct the problem.
    - If after 30 days, the service performance for that parameter is still less than the committed level, the customer will be provided a service credit equal to 25% of the monthly recurring charge for that service parameter for all affected ports for the month in which the service parameters fall below (or above) the committed level.
    - Packet Delivery Rate, Latency and Jitter calculations will be measured only when the OPT-E-MAN network is available. /1/

/1/ Material formerly found in Part 6, Section 9.

OPT-E-MAN® Service (cont'd) /2/

C. Terms and Conditions (cont'd)

15. Exclusions (Service Level Agreements and Grade of Service credits)

    The Company will be excluded from providing Service Level Agreements credits and Grade of Service credits for the Bronze and Silver Grades of Service should any of the following conditions occur:
    - Force major events such as, but not limited to, an earthquake, hurricane, flood, fire, storms, tornadoes, explosion, lightning, power surges or failure, fiber cuts, strikes or labor disputes. Loss or damage resulting from any cause beyond the Company's reasonable control such as acts of war, civil disturbances, acts of civil or military authorities or public enemy.
    - All SLAs are offered across the Company's network. The failure of any components beyond the local facility, including the Network Interface (NI), are excluded from the SLA calculation.
    - Data loss during the Company's scheduled maintenance window.
    - Data exceeding subscribed Usage.
    - Failures attributed to facilities or equipment provided by customer or its contractors, equipment vendors, another local exchange carrier or inter-exchange carrier.
    - Any type of Customer Network Management functionality is not included in SLAs.

16. For Basic Plus multipoint-to-multipoint service, the Company will use controls to limit the amount of multicast and broadcast traffic to protect the OPT-E-MAN network against traffic storms. The maximum throughput of multicast traffic will be set at 1 Mbps per customer port, while the maximum throughput of broadcast traffic will be set at 200 packets per second per port. Packets dropped by traffic controls will be excluded from SLA calculations. The Company recommends that customers enable controls for multicast, broadcast and unknown unicast traffic within the customer network(s).

17. For Basic and Basic Plus point-to-point and point-to-multipoint service, the Company will use controls to limit the amount of broadcast traffic to protect the OPT-E-MAN network against broadcast storms. The maximum throughput of broadcast traffic will be set at 10 Mbps per customer port. Packets dropped by traffic controls will be excluded from SLA calculations. The Company recommends that customers enable controls for broadcast traffic within the customer network(s).[/1/]

18. Data exiting the network through the customer ports are excluded from SLA calculations to the extent that it exceeds the CIR for those ports.

19. The responsibility of the Company shall be limited to furnishing the OPT-E-MAN network. Subject to this responsibility, the Company shall not be responsible for the through transmission of signals generated by CPE or for the quality of, or defects in, such transmission or the rejection of signal by CPE. The Company shall not be responsible for installation, operation, maintenance or adapting OPT-E-MAN to the technological requirements of specific CPE. In addition, the Company shall not be responsible to the customer if changes in any of the equipment, operations or procedures of the Company used in the provisioning of OPT-E-MAN render any facilities provided by the customer obsolete; or require modification or alteration of such equipment or system; or otherwise affect its use or performance, provided the Company has met all applicable information disclosure requirements otherwise required by law.

/2/

/1/ This provisioning requirement will only apply to new service installed after April 30, 2007.
/2/ Material formerly appeared in Part 6, Section 9.

OPT-E-MAN® Service (cont'd) /3/

C. Terms and Conditions (cont'd)

20. Customers will be permitted to move from a 10/100BaseT to a Gigabit Ethernet interface option where facilities and equipment permit (staying within the Basic or Basic Plus Connection, or moving from the Basic to the Basic Plus Connection), however, the Nonrecurring Charge associated with the new Gigabit Ethernet Connection will apply. However, should a customer simply wish to move from Basic to Basic Plus (without any change to the interface option; for example, retaining the 10/100BaseT interface), only the Service Order Change Charge will apply. See *Prices* following.

21. The aggregate assigned Committed Information Rate (CIR) across all Ethernet Virtual Connections (EVCs) between any two customer connections cannot exceed 600 Mbps per Basic or Basic Plus connection.[/1/]

    The aggregate assigned Committed Information Rate (CIR) across all ICO trunk connections (EVCs) between any two customer connections utilizing a meet-point GigE ICO Trunk Arrangement between the Company and an ILEC (ICO) cannot exceed 600 Mbps per Basic or Basic Plus connection.[/2/]

/1/ This provisioning requirement will only apply to new service installed after November 29, 2006.
/2/ This provisioning requirement will only apply to new service installed after March 31, 2009. /3/
/3/ Material formerly appeared in Part 6, Section 9.

OPT-E-MAN® Service (cont'd) /2/

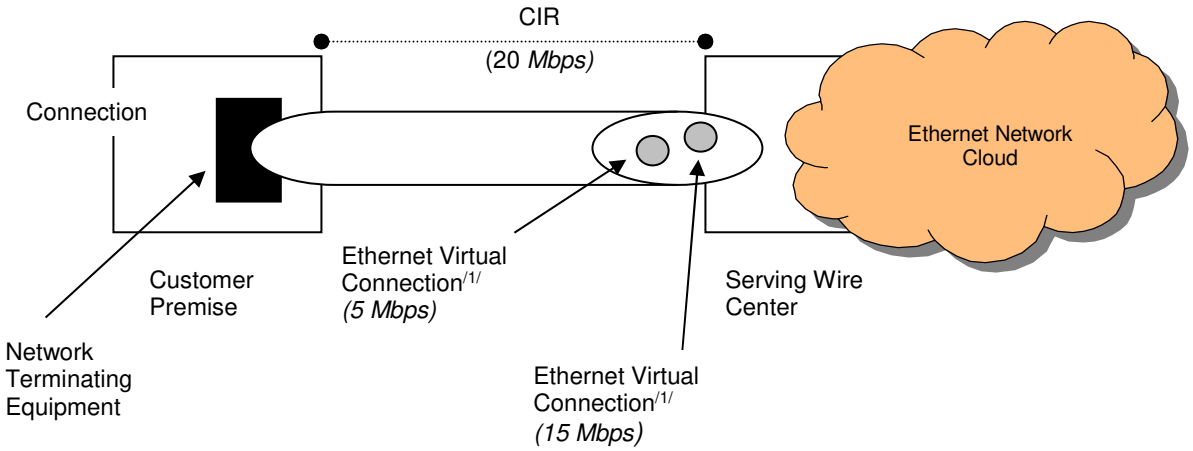
D. Features

1. Standard Features

Committed Information Rate (CIR)
CIR provides a committed level of transmission (or bandwidth) to the Connection. The customer can select a CIR from 2 Mbps to 1 Gbps per connection. The CIR is shared among one or more Ethernet Virtual Connections (EVCs), which provide a logical point-to-point connection between two customer locations.

Connection
Provides for the physical connection between the customer's premise and the serving wire center. This is comprised of a transport component, interface component and a port connection component. Several interface protocols are available: 10/100BaseT and Gigabit Ethernet (1000BaseSX, 1000BaseLX/LH or 1000BaseZX).

The following diagram describes a standard service configuration:



/1/ Ethernet Virtual Connections are used to establish a path for certain traffic between two customer locations, and do not have a charge associated with them. Each EVC must have a portion of the Committed Information Rate (CIR) service element assigned to it. /2/
/2/ Material formerly appeared in Part 6, Section 9.

OPT-E-MAN® Service (cont'd) /2/

D. Features (cont'd)

2. Optional Features

Ethernet Virtual Connections (EVC)
An Ethernet Virtual Connection is a logical point-to-point connection between two customer locations, and goes from the customer demarcation point at one location through the OPT-E-MAN network to terminate at the demarcation point at the second customer location. When multiple EVCs are provisioned, the customer must designate the portion of the CIR assigned to each EVC. For point-to-point and point-to-multipoint connections, EVCs can be set in 1 Mbps increments from 2 Mbps to 600 Mbps/1/. For multipoint-to-multipoint connections, EVCs can be set in 1 Mbps increments from 2 Mbps to 1 Gbps.

If a customer purchases the Silver Grade of Service for CIR, the initial EVC will be prioritized as Silver. Additional EVCs can be prioritized as Silver, Bronze or Best Effort.

If a customer purchases the Bronze Grade of Service for CIR, additional EVCs cannot be prioritized as Silver, but only as Bronze or Best Effort.

If a customer purchases the Best Effort Grade of Service for CIR, additional EVCs can only be prioritized as Best Effort.

Repeater
For those customers who are located outside normal transmission parameters, or who are served by a Serving Wire Center that is not equipped for OPT-E-MAN Service, service can be provided using a repeater. An engineering study will be completed to ensure transmission parameters can be met using a repeater, and the Company will determine when Repeaters are necessary. Additional charges will apply. Provisioning of OPT-E-MAN Service is subject to the availability and operational limitations of the equipment and associated facilities.

Additional MAC Addresses
If a customer connects to the OPT-E-MAN network using a bridge or switch for Layer 2 connectivity, only 50 MAC addresses can be used per Layer 2 device, per port. Any additional addresses will be assessed an additional charge, with a limit of 100 MAC addresses total per port.

Meet-Point Billing Options
Meet-Point is available in two configurations:

Direct LEC Connection is provisioned using a standard OPT-E-MAN Basic or Basic Plus Connection and associated CIR, plus Mileage. The mileage is measured in airline miles from the OPT-E-MAN switch location to the ILEC (ICO) meet-point location.

GigE ICO Trunking Arrangement applies an ICO Trunk Connection Charge between the OPT-E-MAN switch location and the ICO meet-point location that is shared with the ILEC (ICO) Ethernet switch. The ICO Trunk Connection Charge is applied to each customer Ethernet Virtual Connection (EVC) that is transported on the GigE trunk backbone to the ICO meet-point. The ICO Trunk Mileage charge is applicable to each customer Ethernet Virtual Connection (EVC) transported across the GigE trunk when mileage exceeds 10 miles. Mileage is calculated from the OPT-E-MAN switch location to the ICO meet-point location.

/1/ This provisioning requirement will only apply to new service installed after November 29, 2006. /2/
/2/ Material formerly appeared in Part 6, Section 9.

OPT-E-MAN® Service (cont'd)

E. Technical References

The customer interface to OPT-E-MAN Service is as specified in:

Subject	Technical Reference
Ethernet Standards	SBC TP-76412-000
Network Equipment Design Requirements	SBC TP-76200MP

These publications may be obtained from:

APEx Support Team
(734) 523-7348

F. Prices

1. Service Elements

Description	Nonrecurring Charge/1/	Monthly Payment *Term Payment Plans* 12 Months	24 Months	36 Months	60/2/ Months	Monthly Extension
Connection, each customer location						
Basic Service						
10/100BaseT	$1,925.00	$780.00	$750.00	$650.00	$575.00	$1,248.75 (I)
Gigabit Ethernet	2,100.00	1,200.00	1,150.00	1,000.00	850.00	1,890.00
Basic Plus Service						
10/100BaseT	1,925.00	780.00	750.00	650.00	575.00	1,248.75
Gigabit Ethernet	2,100.00	1,200.00	1,150.00	1,000.00	850.00	1,890.00 (I)

/1/ Nonrecurring charges will be waived for those customers selecting the 24-, 36- or 60-month/2/ Term Payment Plan (TPP) period for new service.

/2/ Effective November 15, 2013, customers may not establish new term plans greater than 36 months for OPT-E-MAN Service, and existing term plans greater than 36 months may not be renewed or extended for a term greater than 36 months.

OPT-E-MAN® Service (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

Description	Nonrecurring Charge/1/	Monthly Price *Grade of Service* Best Effort	Bronze	Silver
Committed Information Rate (CIR) (Mbps) - per port				
2	$75.00	$344.25 (I)	$405.00 (I)	$675.00 (I)
4	75.00	398.25 (I)	472.50	742.50
5	75.00	N/A	607.50	877.50
8	75.00	627.75 (I)	742.50	1,012.50
10	75.00	N/A	877.50	1,147.50
20	75.00	N/A	1,215.00	1,485.00
50	75.00	N/A	1,383.75	1,653.75
100	75.00	N/A	1,620.00	1,890.00
150	75.00	N/A	1,856.25	2,396.25
250	75.00	N/A	2,126.25	2,666.25
500	75.00	N/A	2,565.00	3,105.00
600	75.00	N/A	3,003.75	3,543.75
1000	75.00	N/A	3,476.25 (I)	4,016.25 (I)

/1/ Nonrecurring charges will be waived for those customers selecting the 24-, 36- or 60/2/-month Term Payment Plan (TPP) period for new service.

/2/ Effective November 15, 2013, customers may not establish new term plans greater than 36 months for OPT-E-MAN Service, and existing term plans greater than 36 months may not be renewed or extended for a term greater than 36 months.

OPT-E-MAN® Service (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

Description	Nonrecurring Charge	Monthly Price *Grade of Service* Best Effort	Bronze	Silver
Optional Charges				
Ethernet Virtual Connection (EVC)/1/ - per connection	$0.00	$0.00	$0.00	$0.00

Description	Nonrecurring Charge/2/	Monthly Payment *Term Payment Plans* 12 Months	24 Months	36 Months	60/3/ Months	Monthly Extension
Repeater, each	$250.00	$400.00	$375.00	$325.00	$300.00	$641.25 (I)

/1/ Ethernet Virtual Connections (EVCs) are required for provisioning purposes only, and as such will not have a charge associated with them.
/2/ Nonrecurring charges will be waived for those customers selecting the 24-, 36- or 60/3/-month Term Payment Plan (TPP) period for new service.
/3/ Effective November 15, 2013, customers may not establish new term plans greater than 36 months for OPT-E-MAN Service, and existing term plans greater than 36 months may not be renewed or extended for a term greater than 36 months.

OPT-E-MAN® Service (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

Description	Nonrecurring Charge	Monthly Price
Optional Charges (cont'd)		
Meet-Point Billing Options		
- Direct LEC Connection, Mileage		
Above 0 and inclusive of 10 miles	$1,200.00	$675.00 (I)
Above 10 and inclusive of 25 miles	1,200.00	1,350.00
Above 25 and inclusive of 35 miles	1,200.00	2,025.00
Above 35 and inclusive of 50 miles	1,200.00	3,375.00 (I)

		Monthly Payment *Term Payment Plans*				
Description	Nonrecurring Charge/1/	12 Months	24 Months	36 Months	60/2/ Months	Monthly Extension
- GigE ICO Trunking Arrangement						
ICO Trunk Connection Charge, per EVC						
2 Mbps	$300.00	$340.00	$290.00	$250.00	$220.00	$540.00 (I)
4 Mbps	345.00	380.00	330.00	285.00	250.00	594.00
5 Mbps	400.00	430.00	370.00	315.00	270.00	675.00
8 Mbps	460.00	490.00	420.00	360.00	310.00	769.50
10 Mbps	525.00	570.00	490.00	420.00	360.00	891.00
20 Mbps	600.00	670.00	580.00	504.00	430.00	1,053.00
50 Mbps	700.00	840.00	730.00	630.00	540.00	1,309.50
100 Mbps	800.00	1,120.00	970.00	840.00	720.00	1,741.50
150 Mbps	925.00	1,670.00	1,450.00	1,260.00	1,080.00	2,605.50
250 Mbps	1,100.00	2,160.00	1,870.00	1,620.00	1,380.00	3,361.50
500 Mbps	1,100.00	4,640.00	4,030.00	3,500.00	2,980.00	7,209.00
600 Mbps	1,100.00	5,560.00	4,830.00	4,200.00	3,570.00	8,640.00
1 Gbps	1,100.00	6,390.00	5,500.00	4,830.00	4,100.00	9,936.00 (I)

/1/ Nonrecurring charges will be waived for those customers selecting the 24, 36 or 60/2/ month Term Payment Plan (TPP) period for new service.

/2/ Effective November 15, 2013, customers may not establish new term plans greater than 36 months for OPT-E-MAN Service, and existing term plans greater than 36 months may not be renewed or extended for a term greater than 36 months.

OPT-E-MAN® Service (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

Description	Monthly Price	
Optional Charges (cont'd)		
Meet-Point Billing Options (cont'd)		
- GigE ICO Trunking Arrangement (cont'd)		
ICO Trunk Mileage, per EVC		
Above 0 and inclusive of 10 miles	N/A	
Above 10 and inclusive of 25 miles		
2 Mbps to 20 Mbps	$229.50	(I)
50 Mbps to 150 Mbps	506.25	
250 Mbps to 1 Gbps	2,025.00	
Above 25 and inclusive of 35 miles		
2 Mbps to 20 Mbps	364.50	
50 Mbps to 150 Mbps	911.25	
250 Mbps to 1 Gbps	2,362.50	
Above 35 and inclusive of 50 miles		
2 Mbps to 20 Mbps	553.50	
50 Mbps to 150 Mbps	1,485.00	
250 Mbps to 1 Gbps	2,700.00	(I)

OPT-E-MAN® Service (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

Description	Nonrecurring Charge	Monthly Price
Optional Charges (cont'd)		
Additional MAC Addresses - 51-100 MAC addresses	$ 70.00/1/	$6.75 (I)
Service Order Cancellation - per location	200.00	-
Expedite Order Charge - per location	300.00	-
Service Order Change Charge - applies to CIR Changes, EVC Changes and Configuration Changes, per location	75.00	-

2. Payment Plans

- Term Payment Plans
  OPT-E-MAN Service is only available under the Term Payment Plan (TPP) whereby customers must select either a 12, 24, 36 or 60/2/ month period. Decreases in OPT-E-MAN monthly recurring charges will be passed onto customers who participate in a TPP. After the selected Term Payment Plan period is satisfied, the Monthly Extension Price in effect at the time of contract expiration will apply unless a new TPP is selected. Refer to *Term Payment Plans* in Part 2, Section 3.

- Single Payment Option (SPO)
  A single payment option is available for this service. Refer to *Term Payment Plans* in Part 2, Section 3 for calculating Single Payment Options.

/1/ Nonrecurring charges will be waived for those customers selecting the 24-, 36- or 60/2/-month Term Payment Plan (TPP) period for new service.
/2/ Effective November 15, 2013, customers may not establish new term plans greater than 36 months for OPT-E-MAN Service, and existing term plans greater than 36 months may not be renewed or extended for a term greater than 36 months.

OPT-E-MAN® Service (cont'd) /1/

F. Prices (cont'd)

3. Termination Charges

Termination Charges will apply to service terminated prior to the contracted period. In addition to any unpaid Special Construction or nonrecurring charges (excluding any waived charges), Termination Charges will be equal to:

- 50 percent (50%) of all recurring charges for the remaining months of the customer's term

Customers may upgrade their CIR to a higher speed without incurring Termination Charges, depending on facilities used. The Company will determine whether such an upgrade is permissible based on the type of facilities currently used to provide the service. In addition, Customers may upgrade their Grade of Service without incurring Termination Charges provided the upgrade does not include any reduction in the customer's existing CIR.

Customers may move their existing service to a new location without incurring Termination Charges provided all of the following conditions are met:

- The customer maintains the existing TPP at the new location or establishes a new TPP equal to or greater than the old location;
- During the TPP, a customer may move an OPT-E-MAN Service location to another premises in the same LATA and keep the TPP in force without assessment of Termination Charges, provided no lapse in billing occurs;
- The customer's request for disconnect at the existing location and the request for service at the new location are received at the same time, and the customer's disconnect order for the existing service references the new connect order for the new service;
- Moves of one location to a premise in a different serving office may result in a change in the monthly charges. Nonrecurring charges as appropriate are applicable.
- If the customer moves more than one location of the service concurrently, the customer will be liable for Termination Charges, as this is considered a complete disconnect of the service.

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 all of the following conditions are met:

- An upgrade is considered an increase in speed or capacity when comparing OPT-E-MAN Service to the new service.
- The customer must issue a disconnect order for the existing OPT-E-MAN Service and place a service order for the new higher-speed service at the same locations such that there is no more than 90 days overlap in service. Termination Charges for OPT-E-MAN Service at the current locations will be waived.
- The term of the new higher-speed service contract must be equal to or greater than the remaining time left on the existing OPT-E-MAN contract.
- The existing OPT-E-MAN Service must have been in service for a minimum period of 15 months for a 3-year contract or 18 months for a 5-year contract.
- For customers upgrading from OPT-E-MAN to Customized Switched Metro Ethernet (CSME) Service, the number of CSME locations must be greater than or equal to the current number of OPT-E-MAN locations. /1/

/1/ Material formerly appeared in Part 6, Section 9.

OPT-E-MAN® Service (cont'd) /1/

F. Prices (cont'd)

3. Termination Charges (cont'd)

Migration to AT&T Switched Ethernet Service[SM]

Customers subscribing to OPT-E-MAN Service may migrate to AT&T Switched Ethernet Service provided by the Company without incurring termination liability, subject to the following conditions:

- The new AT&T Switched Ethernet Service and the existing OPT-E-MAN Service must be billed to the same customer of record at the same customer locations.
- The customer's existing service must have been in place for at least 12 months.
- The minimum term for the new service must be at least 12 months and must be equal to or greater than the number of months remaining in the customer's existing Term Payment Plan (TPP) term.
- The speed (capacity/bandwidth) of the new service must be equal or greater than that of the existing service.
- The customer must issue a disconnect order for the replaced OPT-E-MAN Service to be effective within 90 days after the AT&T Switched Ethernet Service installation date. The disconnect and new orders must be coordinated through the Company.
- If overlapping service is required, the period will be limited to not more than 90 days and billing will apply to both services during the time both services are available.

[SM] AT&T Switched Ethernet Service is a service mark of AT&T Intellectual Property. /1/

/1/ Material formerly appeared in Part 6, Section 9.

OPT-E-MAN® Service (cont'd) /2/

F. Prices (cont'd)

4. Credit Allowance

In case of an interruption to service, allowance for the period of interruption, if not due to the negligence of the customer or the customer's end user, shall be as follows: no credit shall be allowed for an interruption of less than 10 seconds. The customer shall be credited for an interruption of 10 seconds or more as follows: the credit shall be at the rate of 10/8640 of the monthly charges for the service for each period of 5 minutes or major fraction thereof that the interruption continues. The credit allowance(s) for service interruptions shall not exceed 100% of the applicable monthly rates.

The Company's failure to provide or maintain services under this tariff shall be excused by labor difficulties, governmental orders, civil commotion, criminal actions taken against the Company, acts of God and other circumstances beyond the Company's reasonable control.

5. Customized Switched Metro Ethernet (CSME) Service/1/

The Company may offer a less-robust metro Ethernet offering (called Customized Switched Metro Ethernet (CSME) Service) limited to connection speeds of only 10 Mbps, 100 Mbps or 1 Gbps. The CSME offering will offer a switched Layer 2 Ethernet network for a single customer with the need to interconnect multiple locations within the metropolitan marketplace. There will be no Service Level Agreements (SLAs) offered with the service.

/1/ Effective November 30, 2018, Customized Switched Metro Ethernet (CSME) Service will no longer be available for purchase by new or existing customers. The Company will no longer accept orders for adds, moves, changes or new term plans for CSME Service, and existing term plans may not be renewed, converted or extended. Following the expiration of a customer's existing CSME term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. /2/

/2/ Material formerly appeared in Part 6, Section 9.

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CONCENTRATOR-IDENTIFIER - FOUR TRUNK CAPACITY (C)

A. General

1. Concentrator-Identifier Service as defined in this Guidebook is in service with four interconnecting trunks in lieu of six in the tariff offering. The same general regulations are applicable except that no spurt of tone is available on the four-line unit. (C)

2. Existing installations of these Concentrator-Identifier units may be retained by the customer at their present location, or transferred to a new location so long as supply conditions permit.

3. Charges

	USOC	Nonrecurring Charges	Monthly Rates	Termination Charges/b/
a. Concentrator-Identifier (Maximum 100 Clients Extension Stations)				
Concentrator		$223.55	$82.77	$2,079.25
Identifier		104.23	38.59	832.86
b. All Channels Busy Lamp	STD	9.18	3.22	None

c. Established voice grade Direct Analog Service charges, both nonrecurring and monthly, will apply for the connecting channels as covered in Tariff M.P.S.C. No. 20R, Part 21.

d. Connection of Bureau's Client's lines with Concentrator Unit and charges applicable to Bureau's Client.

	USOC	Nonrecurring Charges	Monthly Rates	Termination Charges/b/
(1) Concentrator Unit in central office which serves the Bureau's Client's location				
Each line associated with the concentrator unit	SJ4	$42.00	$6.96	

(2) Concentrator Unit in different central office than the central office which serves the Bureau's Client, the charges in (1) preceding are in addition to the voice grade Direct Analog Service charges as specified in Tariff M.P.S.C. No. 20R, Part 21.

DIGITAL TRANSPORT SERVICE (DTS)

A. DESCRIPTION

Digital Transport Service provides a cost-effective method of delivering voice grade service from the serving Central Office to a customer's premises. DTS is provided exclusively with DS1 Service (1.544 Mbps) and the 24 channels may be used for the transport of trunks for termination on customer provided equipment. DTS supports Ameritech ValueLink Premier Services, Direct Inward Dialing (DID) Service, Dedicated Success 800 Service/1/, and Local Exchange Business Trunks. DTS is an exchange service. (C)

B. TERMS AND CONDITIONS

1. DTS is offered in two serving arrangements, Integrated and Non-Integrated, from Central Offices where the Company has arranged facilities for such service.

   (a) Integrated Service is an arrangement that allows for the direct termination of digital trunks from a digital Central Office to customer provided equipment. This arrangement supports Trunk side features only. The Integrated Arrangement is comprised of three elements: (1) Trunk Terminations; (2) DS1 Distribution Channel; and (3) Digital Interface Termination.

   (b) Non-Integrated Service is an arrangement that allows for the termination of PBX trunks from an Analog or Digital Central Office to customer provided equipment. This arrangement supports Trunk side and Line side features on those trunks. This arrangement is comprised of three elements: (1) Trunk Terminations; (2) DS1 Digital Distribution Channel; and (3) Central Office Multiplexing.

2. Serving arrangements that require a mixture of Integrated and Non-Integrated terminations are provided as Non-Integrated Service.

3. The rate structure for DTS requires charges for Trunk Terminations, Company provided DS1 local distribution channel, DS1 central office multiplexing or Digital Interface Termination (as required) and End User Common Line Charge (EUCL).

/1/ Effective December 31, 2021, Dedicated Success 800 Services are withdrawn for residence customers. (N)

DIGITAL TRANSPORT SERVICE (ADTS) (cont'd)

B. TERMS AND CONDITIONS (cont'd)

4. Additional charges for Central Office services and features such as Direct Inward Dialing (DID) Service, Ameritech ValueLink Premier Service and Dedicated Success 800 Service/1/ are applicable when appropriate. (C)

5. All signals generated by Network Channel Terminating Equipment (NCTE) must comply with the signal and format constraints contained in Telcordia Publication TR-NPL-000054 Performance parameters for DTS can be found in Ameritech Technical Reference manual AM TR-TMO-000101.

6. Availability and functionality of DTS may vary by serving Central Office and switch type. The Company will determine when Integrated or Non-Integrated terminations are required and whether DTS can be provisioned, or is compatible with, the customer's service and equipment.

7. If changes in Central Office technology permit the Company to convert a customer's Non-Integrated Termination to an Integrated Termination, the customer's rate will be adjusted to reflect the Integrated Termination rates. Non-recurring charges are not applicable for Company initiated changes.

8. Clear Channel Capability as specified in Ameritech Operating Companies Tariff F.C.C. No. 2, Section 6.1.3.A.3.d, is an optional feature of ADTS, allowing the customer to transport maximum through put with no constraint on quantity or bit sequence.

/1/ Effective December 31, 2021, Dedicated Success 800 Services are withdrawn for residence customers. (N)

DIGITAL TRANSPORT SERVICE (DTS) (cont'd)

C. Prices

The rates and charges for the unregulated services provisioned on the DTS channels are specified below. The rates and charges for the regulated services provisioned on the DTS channels are specified in Tariff M.P.S.C. No. 20R, Part 6, Section 7.

	USOC	Nonrecurring Rate	Monthly Rate	
1. Integrated Service Arrangement Rates				
a. DS1 Facility/1/				
b. Digital Interface Termination	F12		$2,770.00	(I)
c. Per Trunk Termination				
PBX Trunk	D5WPP		60.00	(I)
DID Trunk	D5WPD		80.00	(I)
Toll Terminal	D5WPT		6.50	
Dedicated 800	D5WP1		12.50	
Ameritech ValueLink Premier Service	D5WP0		6.50	
d. Subsequent Addition Rearrangement Charge per termination/2/	NR9DT	$10.00		
2. Non-Integrated Service Arrangement Rates				
a. DS1 Facility/1/				
b. Central Office Multiplexing/1/				
c. Per Trunk Termination				
PBX Trunk	D5WPP		60.00	(I)
DID Trunk	D5WPD		80.00	(I)
Toll Terminal	D5WPT		6.50	
Dedicated 800	D5WP1		12.50	
Ameritech ValueLink Premier Service	D5WP0		6.50	
d. Subsequent Addition Rearrangement Charge per termination/2/	NR9DT	10.00		

/1/ Rates and charges apply as specific in Ameritech Operating Companies Tariff F.C.C. No. 2, Section 7.5.
/2/ Apply a Miscellaneous Service, Charge as specified in Part 3.

DIGITAL TRANSPORT SERVICE (ADTS) (cont'd)

D. Service References

The rates and charges in C. preceding provide for the Digital transport facility, multiplexing (as required) and the interface connection to the network. The additional rates and charges applicable for the specific services that can be provisioned on DTS channels can be found in the tariff references listed below.

Service	Tariff References	
DS1 Service	F.C.C No. 2, Section 7	
Ameritech ValueLink Premier Service.	Part 9, Section 3, in this Guidebook	
Central Office Multiplexing	F.C.C. No. 2, Section 7	
Success 800 Service/1/	Part 10, in this Guidebook	(C)
Direct Inward Dialing (DID) Service	Tariff 20R, Part 6, Section 1	
End User Common Line Charges	F.C.C. No. 2, Section 4.1.7	
Local Message Charges/Extended Community Calling Charges	Tariff 20R, Part 4, Section 2.	
Message Telecommunications Service	Tariff No. 20R, Part 9, Section 1	

/1/ Effective December 31, 2021, Dedicated Success 800 Services are withdrawn for residence customers. (N)

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PRIMENUMBER SERVICE

Effective April 30, 2001 no new installations of PrimeNumber Service will be made. Existing customers may retain this service until they change or disconnect their service.

A. DESCRIPTION

PrimeNumber Service is an optional intraLATA call routing service that provides business customers with multiple locations, a single telephone number per LATA to terminate incoming calls. Calls to the single number are routed to the location nearest the calling party or as specified by the customer.

B. DEFINITIONS

Record

A record is an entry in the routing table or database which is necessary to route the incoming calls.

C. TERMS AND CONDITIONS

The General Regulations of AT&T Michigan in Part 2 of this Guidebook covering service provider liability associated with interruptions to service and damages associated with the provision, maintenance, or restoration of service are hereby adopted and applicable to PrimeNumber Service.

In the event of an interruption to service which is not due to the negligence or willful act of the subscriber, upon notice and application by the subscriber an allowance will be made for the time interruption continues.

The liability of the Company for damages arising out of mistakes, omissions, interruptions, delays, errors or defects in transmission, or failures or defects in facilities furnished by the Company, occurring in the course of furnishing service or other facilities and not caused by the negligence of the subscriber or of the Company in failing to maintain proper standards of maintenance and operation and to exercise reasonable supervision shall in no event exceed an amount equivalent to the proportionate charge to the subscriber for the period of service during which such mistake, omission, interruption, delay or error or defect in transmission or failure or defect in facilities occurs.

PRIMENUMBER SERVICE (cont'd)

C. TERMS AND CONDITIONS (cont'd)

When the lines of other telecommunication services providers are used in establishing connections to points not reached by the Company's lines, the Company is not liable for any act or omission of the other company or companies.

The following regulations apply to PrimeNumber Service in addition to those referenced above.

1. A prospective PrimeNumber Service subscriber must make separate arrangements for business Local Exchange Access Service prior to establishment of PrimeNumber Service.

2. PrimeNumber Service is available where facilities or arrangements permit.

3. PrimeNumber Service is only available on a twelve (12) month term basis. The twelve (12) month period will begin on the completion date of the Service Order.

4. Applicable charges for local, toll, public or semi-public calls placed to an PrimeNumber will be billed to the originating party.

5. Additional Listings are available at rates provided elsewhere in this Guidebook. (C)

6. A unique telephone number may be assigned to only one PrimeNumber Service subscriber within a LATA.

7. PrimeNumber Service is compatible with Caller ID Service network functionality. Caller ID Service is available to PrimeNumber Service subscribers where facilities permit at the applicable rates.

PRIMENUMBER SERVICE (cont'd)

C. TERMS AND CONDITIONS (cont'd)

8. With establishment of PrimeNumber Service, the subscriber will be provided with a SecureID access card. Additional or replacement SecureID cards will be available for a separate fee to be agreed upon by Ameritech and the subscriber.

   SecureID cards provide the subscriber with access to the PrimeNumber Service network system in order to maintain or modify the subscriber Routing Table or Database, and to access standard PrimeNumber Service reports.

   Upon receipt of the SecureID card(s), the subscriber assumes responsibility for safeguarding the use of their assigned card(s) and for any breaches to security resulting from the loss or misuse of the SecureID card(s).

D. FEATURES

1. ***Standard Feature(s)***

   Where facilities permit, Standard Feature(s) will be provided as integral component(s) of PrimeNumber Service.

   Basic Announcement

   The Basic Announcement is activated when the network is unable to automatically identify and route the telephone number of the calling party. The Basic Announcement will prompt the calling party to enter the appropriate telephone number and then forward the call to an PrimeNumber Service subscriber location.

PRIMENUMBER SERVICE (cont'd)

D. FEATURES (cont'd)

2. ***Optional Feature(s)***

Where facilities and number availability permit, Optional Feature(s) will be made available to PrimeNumber Service subscribers at applicable rates.

Seven (7) Digit Option

Allows a PrimeNumber Service subscriber to serve customers in a LATA with multiple NPAs with a single seven (7) digit telephone number.

Day of Year and Time of Day Routing

Allows a PrimeNumber Service subscriber to select the location to which calls will be routed based upon the time of day and day of year (specific date) that calls originate.

Day of Week and Time of Day Routing

Allows a PrimeNumber Service subscriber to select the location to which calls will be routed based upon the time of day and day of week that calls originate.

/1/ Material formerly appeared in Part 6, Section 9 Sheets Nos. 4-10.

PRIMENUMBER SERVICE (cont'd)

E. PRICES

1. ***Service Elements***

Description	Non Recurring Charge	Monthly Price
PrimeNumber Service, per LATA	$900.00	$125.00
- 7 Digit Option, per additional NPA	295.00	95.00
Routing Table or Database		
Initial Development or Subsequent Reload		
- First 1,000 Records	80.00	
- Each Additional 1,000 Records or fraction thereof	70.00	
Storage Fee		
- per record		0.02
Maintenance		
- First 50 Records	5.00	
- Additional Records beyond the first 50, per record	0.07	
Distribution/Routing Criteria, per Prime Number		
- NPA or NPA/NXX	75.00	50.00
- NPA/NXX-XXXX with Zip Code	125.00	75.00

PRIMENUMBER SERVICE (cont'd)

E. PRICES (cont'd)

1. ***Service Elements (cont'd)***

Description	Non-recurring Charge	Monthly Price
Routing Options, per PrimeNumber		
- Day of Year and Time of Day	$50.00	$25.00
- Day of Week and Time of Day	50.00	25.00
Charge per Subscriber Route to Number/Location		10.00
Charge per Call Routed by Prime Number, per Subscriber Route To Number/Location		

Number of Calls Per Month, Per LATA	Rate Per Call/1/
1 - 15,000	0.120
15,001 - 40,000	0.060
40,001 - 80,000	0.055
80,001 or greater	0.050

Additional Minutes of Use	Rate Per Minute
Per Minute, for each minute of use beyond the first thirty (30) minutes of each message	0.04

/1/ All calls are billed at the same rate for the billing period. The applicable Rate Per Call is determined by the volume rate schedule and the total number of calls routed during the billing period.

PRIMENUMBER SERVICE (cont'd) (C)

E. PRICES (cont'd)

2. ***Termination Charges***

PrimeNumber Service is only available on a twelve (12) month term basis.

In the event that a subscriber initiates a Service Order request for PrimeNumber Service, and subsequently cancels the Service Order prior to full operational establishment of service, the subscriber remains liable for all nonrecurring service establishment charges specified in this Guidebook. (C)

Subscribers that cancel their PrimeNumber Service before the term expiration date will be billed a termination liability which consists of a lump sum equal to the nonusage sensitive monthly recurring charges specified in this tariff times the number of months remaining on the term period, rounded up to the nearest whole month.

Any cancellation or termination liability lump sum payment will become due and payable in its entirety immediately upon calculation and presentation of the lump sum bill statement.

At the expiration of the twelve (12) month term period, subsequent monthly billing will revert to the PrimeNumber Service monthly rates in effect at that time, as specified in this Guidebook. (C)
Termination liability charges are no longer applicable once the term period has expired and billing reverts to a month-to-month basis.

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CENTRAL OFFICE SERVICES

TELEPHONE ANSWERING SERVICE/1/

A. GENERAL

1. Telephone Answering Services are provided for customers engaged in the business of answering incoming calls of other subscribers who are their clients.

2. In addition to the following Telephone Answering Services which are primarily designed for secretarial answering bureaus, the bureau may subscribe to other types of switching equipment offered in this Guidebook at established charges and under the regulations for such equipment. Any modifications of the equipment required for secretarial purposes will be provided based on cost as specified elsewhere in this Guidebook. (C)

3. When any part of a system is customer-provided such as attendant positions, instruments, channels or switching equipment, then tariff rates for that portion of the system provided by the Company shall not apply but rather will be subject to rate application based on cost as specified elsewhere in this Guidebook. (C)

/1/ Existing Direct Inward Dialing (DID) Service arrangements found in Part 6, Section 1 of M.P.S.C. No. 20R may be used to provision new requests for Telephone Answering Service.

CENTRAL OFFICE SERVICES (cont'd)

TELEPHONE ANSWERING SERVICE /2/ (cont'd)

Direct Inward Dialing - Outpulsing Service

A. GENERAL (cont'd)

1. Outpulsing Service enables a Telephone Answering Bureau, by assignment of telephone numbers, to associate incoming calls with individual clients.

2. Outpulsing Service is provided only from electronic central offices equipped to provide this service.

3. Where Outpulsing Service or telephone number capacity is not available in the normal serving central office, service may be provided under the regulations applicable for Foreign Exchange (FX), Foreign Zone (FZ), or Foreign Central Office (FCO) services described in Part 4, Section 3.of M.P.S.C. No. 20R

   The rates and charges for outpulsing channels provided in association with FX, FZ or FCO arrangements are specified in B. following.

4. The assignment of telephone numbers for Outpulsing Service and the sequence of numbers assigned to a Telephone Answering Bureau are made at the discretion of the Company.

5. The Telephone Answering Bureau is responsible for providing intercept at the bureau of assigned but unused telephone numbers associated with Outpulsing Service.

6. If Outpulsing Service is provided from more than one central office, service from each central office is considered separately for the application of rates and charges.

7. If a Telephone Answering Bureau uses sets of Outpulsing Service telephone numbers on different systems, on the same or different premises, each set of numbers is considered a separate service for the application of rates and charges.

/1/ Material formerly appeared in M.P.S.C. No. 20R, Part 20, Section 6, 1st Revised Sheet 7.
/2/ Existing Direct Inward Dialing (DID) Service arrangements found in Part 6, Section 1 of M.P.S.C. No. 20R may be used to provision new requests for Telephone Answering Service.

CENTRAL OFFICE SERVICES (cont'd)

TELEPHONE ANSWERING SERVICE[/1/] (cont'd)

Direct Inward Dialing - Outpulsing Service (cont'd)

B. RATES AND CHARGES

	USOC	Nonrecurring Charges	Monthly Rates
1. Service Establishment Charge A nonrecurring charge applies for the establishment of service.		$72.99	-
2. Outpulsing Service			
a. Outpulsing Trunk Unit, each (minimum of 2 required)	NDT	28.08	$10.67
b. Block of 20 telephone numbers, each	ND4	31.32	6.00(I)

3. Outpulsing Channels - Regulations, Rates and Charges are provided via unregulated Dedicated Communications Service for end users and from M.P.S.C. No. 20R, Part 21, Special Access, for Telecommunications Providers.

4. Changes or Rearrangements

   The charges for changes or rearrangements will be determined separately for each case in accordance with the provisions for establishing charges for special equipment and arrangements specified elsewhere in Part 2, Section 7 of M.P.S.C. No. 20R.

/1/ Existing Direct Inward Dialing (DID) Service arrangements found in Part 6, Section 1 of M.P.S.C. No. 20R may be used to provision new requests for Telephone Answering Service.

DIGITAL TRANSPORT SERVICE - ENHANCED (DTS-E)

Digital Transport Service-Enhanced (DTS-E) will no longer be available to new customers (no current contract or service) on or after June 30, 2016. However, the Service will remain available for 9-1-1 Public Safety Answering Point (PSAP) customers that require channelization of their 9-1-1 trunking. It will be available to existing 9-1-1 PSAP users of the Service as well as new 9-1-1 PSAP customers needing the Service. With the noted 9-1-1- PSAP exception, customers having this service or who have placed orders which were accepted by the Company prior to this date, may continue such service from their present location, subject to the following conditions: new requests for physical changes to DTS-E, including the upgrade or downgrade of access/port speed, installation of new service, or moves to different service addresses will not be provisioned.

A. DESCRIPTION

Digital Transport Service - Enhanced (DTS-E) delivers voice grade service from a Company serving central office to a customer's premises. DTS-E is available in three serving arrangements, also (C)
known as Modules (see Paragraph D). DTS-E Modules 1, 2, and 3 are provided in conjunction with (C)
DS1 Service (1.544 Mbps). The 24 channels may be used for the transport of services for (D)
termination on customer provided equipment.

B. DEFINITIONS

(D)

(D)

DS1 Service

DS1 Service denotes the channelized 1.544 Mbps DS1 facility between a customer premises and the serving central office for that location. This element is used in conjunction with Modules 1, 2, and 3, and is purchased from Part 15, Section 3 of this tariff.

(D)

(D)

2. DIGITAL TRANSPORT SERVICE - ENHANCED (DTS-E) (cont'd)

B. DEFINITIONS (cont'd)

(D)

(D)

Term Payment Plan/1//2/

A period of time selected by the customer from among those currently offered by the Company, over which the customer agrees to pay a specified price for a product/service.

C. TERMS AND CONDITIONS

1. Digital Transport Service - Enhanced is offered from central offices where the company has arranged for facilities for such service. At the request of the customer and at the discretion of the Company, DTS-E may be extended to central offices within the same Local Access Transport Area (LATA) through the application of DS1, DS3 Service, OC-n Point-to-Point Service, OC-n Dedicated Ring Service or other suitable Company services. This arrangement is not available in Independent Telephone Company serving areas.

2. The availability, functionality and capabilities of DTS-E features may vary based on the serving central office.

/1/ Effective August 31, 2011, 3 Year and 5 Year Term Payment Plans are no longer available for new installations or renewals of DTS-E Modules 1, 2 and 3. DTS-E Module 1, 2 or 3 customers currently on a Term Payment Plan may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service by entering into a new 1 Year TPP agreement at the then current applicable 1 Year TPP rates. If the customer does not enter into a new 1 Year TPP agreement, or request discontinuance of the service, the month-to-month tariff rates in effect at such time will automatically apply.

/2/ Effective December 1, 2015, customers may not establish new Term Payment Plans (TPP) of any length for DTS-E Modules 1, 2 or 3 , and existing TPPs may not be renewed. For new service, or for existing service after any TPP expires, service will be provided only on a month-to-month basis.

(D)

DIGITAL TRANSPORT SERVICE - ENHANCED (DTS-E) (cont'd)

D. FEATURES

DTS-E is available in three serving arrangements and is furnished where facilities permit. Availability and functionality of DTS-E and its features may vary by serving central office and switch type. (C)

Module 1

Module 1 is an arrangement that supports Business Trunk Services (e.g., 1-Way In non-DID, 2-Way Combination); toll terminals; Custom Dedicated 800 Service; and Foreign Exchange Service. Toll billing exclusion service and 900-976 Call Blocking are also available with Module 1.

Module 2

Module 2 supports all services provided in Module 1 plus Direct Inward Dialing (DID) Service.

Module 3

In addition to services supported in Module 1 and Module 2, Module 3 supports the following: Business Basic Exchange Service; Base Rate non-switched 56 Kbps Service; Direct Inward Dialing with Call Transfer Service; and Off Premises Extension Service. Call Waiting, Call Forwarding Variable, and Three-Way Calling are available with Business Basic Exchange Service.

(D)

(D)

(D)

DIGITAL TRANSPORT SERVICE - ENHANCED (DTS-E) (cont'd)

F. Prices (cont'd)

1. Service Elements

Description /Billing Code/	Nonrecurring Charge	Monthly	Monthly Payment *Term Payment Plans* 12 Months/3/	36 Months/2/	60 Months/2/
DS1 Facility, per module					
(see tariff reference in F.2 following)					
Module 1/1/ - per DS1 equipped /EMZ1X/	$240.00	$72,090.00 (I)	$565.00	$530.00	$470.00
Module 2/1/ - per DS1 equipped /EMZ2X/	280.00	89,930.00 (I)	720.00	655.00	595.00
Module 3/1/ - per DS1 equipped /EMZ3X/	300.00	94,405.00 (I)	780.00	720.00	655.00

/1/ Rates for Modules 1, 2, and 3 include services and features supported by Modules 1, 2, and 3 as described in Paragraph 2.D. However, other charges may be applicable as noted in Paragraph 2.F.

/2/ Effective August 31, 2011, 3 Year and 5 Year Term Payment Plans are no longer available for new installations or renewals of DTS-E Modules 1, 2 and 3. DTS-E Module 1, 2 or 3 customers currently on a Term Payment Plan may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service by entering into a new 1 Year TPP agreement at the then current applicable 1 Year TPP rates. If the customer does not enter into a new 1 Year TPP agreement, or request discontinuance of the service, the month-to-month tariff rates in effect at such time will automatically apply.

/3/ Effective December 1, 2015, customers may not establish new Term Payment Plans (TPP) of any length for DTS-E Modules 1, 2 or 3 , and existing TPPs may not be renewed. For new service, or for existing service after any TPP expires, service will be provided only on a month-to-month basis.

DIGITAL TRANSPORT SERVICE - ENHANCED (DTS-E) (cont'd)

F. PRICES (cont'd)

1. Service Elements

(D)

(D)

DIGITAL TRANSPORT SERVICE - ENHANCED (DTS-E) (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

Description /Billing Code/	Nonrecurring Charge	Monthly	Monthly Payment *Term Payment Plans* 12 Months/1/	36 Months	60 Months
Additional Equipment Charge					
- Modules 1, 2, 3 /FD5EX/	$240.00	$16,320.00 (I)	$110.00	$110.00/2/	$110.00/2/
Subsequent Addition/ Rearrangement Charge					
- Modules 1, 2, 3, per channel /NR9DT/	10.00				

/1/ Effective December 1, 2015, customers may not establish new Term Payment Plans (TPP) of any length for DTS-E Modules 1, 2 or 3 , and existing TPPs may not be renewed. For new service, or for existing service after any TPP expires, service will be provided only on a month-to-month basis.

/2/ Effective August 31, 2011, 3 Year and 5 Year Term Payment Plans are no longer available for new installations or renewals of DTS-E Modules 1, 2 and 3. DTS-E Module 1, 2 or 3 customers currently on a Term Payment Plan may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service by entering into a new 1 Year TPP agreement at the then current applicable 1 Year TPP rates. If the customer does not enter into a new 1 Year TPP agreement, or request discontinuance of the service, the month-to-month tariff rates in effect at such time will automatically apply.

DIGITAL TRANSPORT SERVICE - ENHANCED (DTS-E) (cont'd)

F. PRICES (cont'd)

2. Other Applicable Charges and Payments (cont'd)

References:

The rates and charges in 1. preceding are for Digital Transport Service - Enhanced. Additional applicable rates and charges for services specified preceding can be found in the references listed below.

Service	Reference	
		(D)
		(D)
Base Rate Service	Guidebook Part 15, Section 3	
Business Basic Exchange Usage Service	Tariff M.P.S.C. No. 20R Part 4, Section 2	
Caller ID	Guidebook Part 7, Section 2	
Custom 800 Service	Guidebook Part 10, Section 2	
Direct Inward Dialing (DID) Service	Tariff M.P.S.C. No. 20R Part 6, Section 1	
DS1 Service	Guidebook Part 15, Section 3	
End-User Common Line Charges	Ameritech Operating Companies Tariff, F.C.C. No. 2, Section 4.1.7(c)	
Foreign Exchange Service	Guidebook Part 15, Section 2	
Message Toll Service	Tariff M.P.S.C. NO. 20R Part 9, Section 1	
Off Premises Extension Service	Guidebook Part 15, Section 2	

(D)

DIGITAL TRANSPORT SERVICE - ENHANCED (DTS-E) (cont'd)

F. PRICES (cont'd)

3. Payment Plans

- ***Month to Month***

  The minimum period is one month, unless specified otherwise.

- ***Term Payment Plans*** /1/ /2/

  The Term Payment Plan (TPP) is a plan which allows customers to pay a fixed price for equipment and service over optional periods. A different monthly price applies for the duration of each payment period. The monthly price varies inversely with the length of the payment period. The same payment plan must apply to all services and features.

  DTS-E Module 1, 2, and 3 Term Payment Plans are available for 1, 3 or 5 years. (D)
  (D)

  During the effective term period, the monthly price is not subject to Company - initiated changes for payment periods longer than one month.

/1/ Effective August 31, 2011, 3 Year and 5 Year Term Payment Plans are no longer available for new installations or renewals of DTS-E Modules 1, 2 and 3. DTS-E Module 1, 2 or 3 customers currently on a Term Payment Plan may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service by entering into a new 1 Year TPP agreement at the then current applicable 1 Year TPP rates. If the customer does not enter into a new 1 Year TPP agreement, or request discontinuance of the service, the month-to-month tariff rates in effect at such time will automatically apply.

/2/ Effective December 1, 2015, customers may not establish new Term Payment Plans (TPP) of any length for DTS-E Modules 1, 2 or 3 , and existing TPPs may not be renewed. For new service, or for existing service after any TPP expires, service will be provided only on a month-to-month basis.
(D)

DIGITAL TRANSPORT SERVICE - ENHANCED (DTS-E) (cont'd)

F. PRICES (cont'd)

4. Termination Charges (cont'd)

4. Termination charges are not applicable if the customer converts their DTS-E Module 1, 2, or 3 service to another Company provided business exchange voice service that utilizes a Company provided DS1 or DS1 equivalent transport service as part of the service offering. The following terms and conditions apply to this termination charge waiver:
   - the customer must agree to a TPP/1/ /2/ that equals or exceeds the number of months remaining on the existing DTS-E Module 1, 2, or 3 TPP
   - the number of circuits on the new TPP must be equivalent to or exceed the number of circuits under the existing TPP
   - the new TPP shall begin immediately upon conversion from the existing TPP
   - the new service must be provided between the same customer locations and with the same customer of record as the disconnected service
   - nonrecurring charges for the new service will apply.

(D)

(D)

3. DIGITAL TRANSPORT SERVICE - ENHANCED (DTS-E) OFFERING

The Company will run a Winback offering to eligible business customers who have discontinued their business network access line service with the Company for the purpose of establishing service with another local exchange carrier and who now wish to return to the Company utilizing Digital Transport Service – Enhanced (DTS-E). During this offering, the Nonrecurring Charge for DTS-E will be waived for customers subscribing to either 3-year or 5-year Term Payment Plans.

In the event a customer participating in this offering requests termination of this service prior to the completion of a minimum of 36-months of a 36-month or greater term payment plan, the customer will become liable for payment of the Nonrecurring Charge as described above as well as any termination charges due as set forth in this Section.

/1/ Effective August 31, 2011, 3 Year and 5 Year Term Payment Plans are no longer available for new installations or renewals of DTS-E Modules 1, 2 and 3. DTS-E Module 1, 2 or 3 customers currently on a Term Payment Plan may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service by entering into a new 1 Year TPP agreement at the then current applicable 1 Year TPP rates. If the customer does not enter into a new 1 Year TPP agreement, or request discontinuance of the service, the month-to-month tariff rates in effect at such time will automatically apply.

/2/ Effective December 1, 2015, customers may not establish new Term Payment Plans (TPP) of any length for DTS-E Modules 1, 2 or 3 , and existing TPPs may not be renewed. For new service, or for existing service after any TPP expires, service will be provided only on a month-to-month basis.

(D)