

TARIFF DISTRIBUTION

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PURPOSE: Adding ADE HighSpeed Aggregation and clarifying Meet Point

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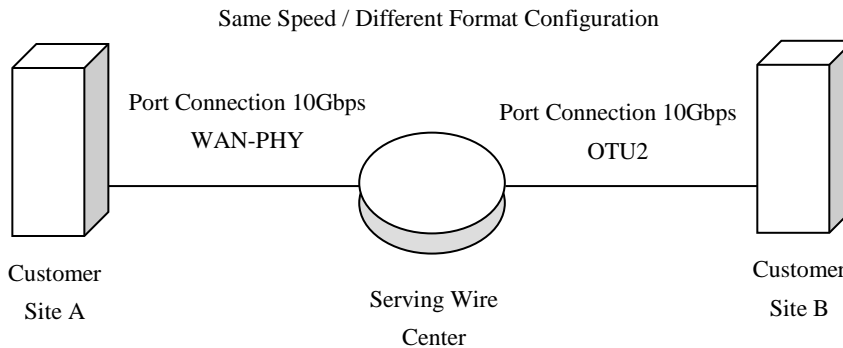
E30. ETHERNET SERVICES

E30.2 AT&T DEDICATED ETHERNET SERVICE

E30.2.1 Service Description (Cont'd)

(2) Same Speed / Different Format

- Optical Transport Network (OTN) to Ethernet (e.g., 10GE to OTU2)



This example illustrates a same speed / different format circuit configuration whereby there is a 10Gbps WAN-PHY Port Connection between Customer Site A and the serving wire center and a 10Gbps OTU2 Port Connection between Customer Site B and the serving wire center. In this circuit example, both a 10Gbps WAN-PHY and a 10Gbps OTU2 Port Connection charge would apply.

(3) Higher Speed Aggregation

Higher Speed Aggregation permits Customers to connect a lower speed AT&T Dedicated Ethernet Port Connection to a channelized higher speed AT&T Dedicated Ethernet Port Connection.

OTU2 (10Gbps) and OTU4 (100Gbps) AT&T Dedicated Ethernet Port Connections may be purchased as either channelized or non-channelized. A channelized Port Connection includes a channelized circuit that terminates at a multiplexer within a serving wire center.

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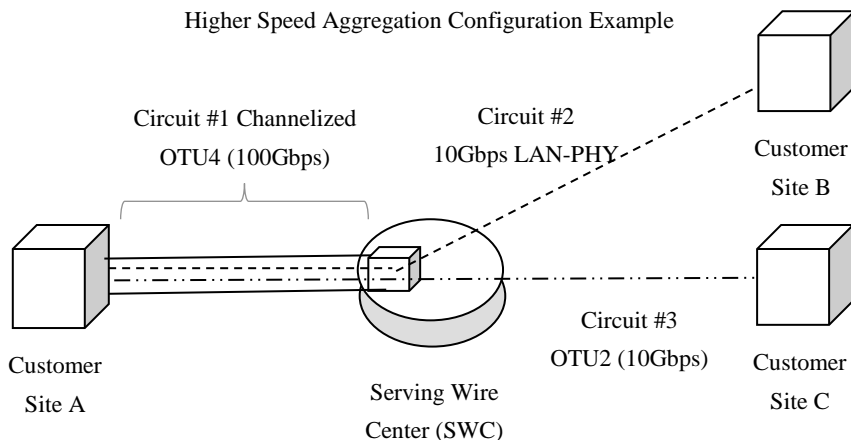
E30.2 AT&T DEDICATED ETHERNET SERVICE

E30.2.1 Service Description (Cont'd)

(3) Higher Speed Aggregation

A channelized OTU2 Port Connection can connect up to eight 1GE Port Connections or four OTU1 Port Connections, or any other combination of such Port Connections, up to the available capacity of the channelized OTU2 Port Connection.

A channelized OTU4 Port Connection can connect to up to ten 10Gbps Port Connections in any combination of types (10GE LAN-PHY, 10GE WAN-PHY, OTU2e, or OTU2), up to the available capacity of the channelized OTU4 Port Connection.



(N)

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E30. ETHERNET SERVICES

E30.2 AT&T DEDICATED ETHERNET SERVICE

E30.2.1 Service Description (Cont'd)

(3) Higher Speed Aggregation

In the example of a higher speed aggregation arrangement depicted in the diagram above, there are three AT&T Dedicated Ethernet circuits, as follows:

1. Circuit #1 = A channelized OTU4 (100Gbps) circuit from Customer Site A that terminates at a multiplexer within the Serving Wire Center.

One OTU4 Port Connection monthly recurring charge applies for Circuit #1.

2. Circuit #2 = A 10Gbps LAN-PHY circuit from Customer Site B to Customer Site A. Circuit #2 occupies a channel of the higher speed Circuit #1 from the Serving Wire Center location to Customer Site A.

One 10GE LAN-PHY Port Connection monthly recurring charge applies to Circuit #2 for the Port Connection at Customer Site B.

No Port Connection charge applies to the portion of Circuit #2 that occupies a channel of Circuit #1 (i.e., SWC to Customer Site A).

3. Circuit #3 = A 10Gbps OTU2 circuit from Customer Site C to Customer Site A. Circuit #3 occupies a channel of the higher speed Circuit #1 from the Serving Wire Center location to Customer Site A.

One OTU2 Port Connection monthly recurring charge applies for Circuit #3 for the Port Connection at Customer Site C.

No Port Connection charge applies to the portion of Circuit #3 that occupies a channel of Circuit #1 (i.e., SWC to Customer Site A).

(N)

(N)

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E30. ETHERNET SERVICES

E30.2 AT&T DEDICATED ETHERNET SERVICE

E30.2.1 Service Description (Cont'd)

(D) Protection and Diversity Options

Protection and diversity options are available for the AT&T Dedicated Ethernet Service as follows:

Protection Option	Diversity Options
<ul style="list-style-type: none"> • Port Protection Plus 	<ul style="list-style-type: none"> • Port Diversity • Alternate Wire Center Diversity • Inter-Wire Center Diversity

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E30. ETHERNET SERVICES

E30.2 AT&T DEDICATED ETHERNET SERVICE

E30.2.1 Service Description (Cont'd)

(D) Protection and Diversity Options (Cont'd)

Protection cannot be combined with Diversity options except in the case of a stand-alone Alternate Wire Center Diversity option.

Protection and diversity options are available where facilities and/or operating conditions permit. Where facilities and/or operating conditions do not permit, special construction charges may apply as set forth in Section 14 of this Guidebook.

(1) Protection

Protection offers a duplicate AT&T Dedicated Ethernet Service signal routed on two different fiber pairs (a working path and a standby path) to provide increased reliability.

In the event of a failure of the working path, the AT&T Dedicated Ethernet Service will switch to the surviving path. In the event of a failure of both fiber transmission paths, an out-of-service condition will result.

Limitations:

- Protection is not available for same speed / different format circuit configurations
- Protection is not available for higher speed aggregation configurations (i.e., protection is not available for channelized circuits and circuits connecting with a channelized circuit).
- Protection is not available for Meet Point arrangements. See Section 1.1(E) for more information on Meet Point arrangements.

(N)
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(N)

(a) Port Protection Plus

Port Protection Plus is an end-to-end (fully protected) protection option that offers a duplicate AT&T Dedicated Ethernet Service signal routed over two diversely routed fiber paths, a working path and a standby path, from Customer Site to Customer Site. Port Protection Plus also includes dual card protection at each Customer Site whereby the working path and standby paths terminate into two separate cards on a single shelf in the NTE at each of the Customer Sites.

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E30. ETHERNET SERVICES

E30.2 AT&T DEDICATED ETHERNET SERVICE

E30.2.1 Service Description (Cont'd)

(D) Protection and Diversity Options (Cont'd)

(2) Diversity (Cont'd)

Limitations:

- Diversity options are not available for Meet Point arrangements. See Section 1.1(E) for more information on Meet Point arrangements. (N)
- Port Diversity and Alternate Wire Center Diversity cannot be selected at the same Customer Site location for the same AT&T Dedicated Ethernet Service Port Connection. (N)

The following Diversity options are available for AT&T Dedicated Ethernet Service:

(a) Port Diversity

Port Diversity is a feature that provides transmission paths (a normal path and a diverse path), which are diverse from each other between two designated AT&T Dedicated Ethernet Service Port Connections at the same Customer Site and its serving wire center.

The fiber path from each designated Port Connection to its serving wire center will be diverse from each other from the closest available point of divergence (e.g., the closest manhole to the Customer Site). These two designated Port Connections must be purchased by the same Customer.

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E30. ETHERNET SERVICES**E30.2 AT&T DEDICATED ETHERNET SERVICE****E30.2.2 Types of Rates and Charges****(A) Non-recurring Charges**

Non-recurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service) related to the provisioning of AT&T Dedicated Ethernet Service. The types of nonrecurring charges that apply for AT&T Dedicated Ethernet Service are:

- (1) Installation of Service: Nonrecurring charges apply to each service installed.
- (2) Installation of Optional Features and Functions: Nonrecurring charges apply for the installation of the optional features and functions available with AT&T Dedicated Ethernet Service. The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of the service.
- (3) Service Rearrangements: Service rearrangements are changes to existing (installed) services which do not result in either:
 - A change in the minimum period of the service, or
 - A change in the physical location of the point of termination at a Customer Site.

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