

**TARIFF DISTRIBUTION**

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STATE: LOUISIANA

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PURPOSE: Making the change to the jumbo frame support on the 1 Gbps and 10ps ports (9126 MTU). Prior to this change, all 100 mbps portsd max 1526 MTU, though 100 mbps port customers mayer 9126 MTU.manufacturer) base configuration forn the 100 mbps port.

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BELLSOUTH  
TELECOMMUNICATIONS  
LOUISIANA  
ISSUED: December 13, 2013  
BY: President - Louisiana  
New Orleans, Louisiana

ACCESS SERVICES TARIFF

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EFFECTIVE: January 2, 2014

## E30. ETHERNET SERVICES

### **E30.1 AT&T SWITCHED ETHERNET SERVICE<sup>SM</sup>**

#### **E30.1.1 Service Description**

(H) (Cont'd)

(1) Basic Service Arrangement (Cont'd)

(c) Ethernet Virtual Circuits (EVC) (Cont'd)

Customers may configure EVCs as point-to-point (connecting two locations) or as multipoint (connecting three or more locations), as defined above. Point-to-point EVCs (i.e. EVCs between two ports) can be associated with an unlimited number of MAC addresses. Multipoint EVCs (i.e., EVCs between three or more ports) will be limited to 250 MAC addresses per multipoint EVC on each port, unless the Customer purchases the Additional MAC Addresses optional feature. MAC addresses associated with point-to-point EVCs do not count against this limit. For example, a port that is provisioned with 3 separate multipoint EVCs may have up to 250 MAC addresses associated with each of those EVCs, for a total of 750 MAC addresses in use on that port, but each EVC is still limited to a maximum of 250 MAC addresses.

(d) Frame Size

AT&T Switched Ethernet Service<sup>SM</sup> will be configured to support Ethernet frame sizes up to 9126 bytes on 100 Mbps, 1 Gbps and 10 Gbps port. Frame sizes on 100 Mbps<sup>1</sup> and 1 Gbps ports may be restricted to less than 9126 bytes when the port is provisioned with a CIR speed of 10 Mbps or less but will allow at least 1526 bytes. (C)  
(N)

(2) Per Packet Class of Service Arrangement

This service arrangement provides transport of data with variable Classes of Service within an Ethernet virtual connection, using a feature called "Per Packet Class of Service" or "PPCoS." With this serving arrangement, the Customer applies a priority identifier to each Ethernet frame (packet) within an EVC, and the packet is given the associated CoS priority level within the AT&T network.

PPCoS Service Arrangement is offered where suitable PPCoS facilities exist, and may not be available at all locations for which the Basic Service Arrangement is available.

(a) PPCoS Customer Port Connection (PPCoS port)

This component provides the physical transport facilities from the Customer's premises to an Ethernet switch at the Telephone Company central office. The Customer Port Connection is available at transmission speeds of 100 Mbps, 1 Gbps and 10 Gbps.

(b) Committed Information Rate (CIR) and Class of Service (CoS) Packages

CIR, sometimes referred to as the "Logical Channel" of the port, provides the bandwidth available on a Customer Port Connection. CIR is available per Customer Port Connection in increments ranging from 2 Mbps to 10,000 Mbps.

Under the PPCoS Service Arrangement, CIR is offered in "packages" that specify the maximum percentage of traffic that may be assigned a given Class of Service in a variety of combinations. Each PPCoS port will be ordered with one PPCoS CIR package. Customers may select a PPCoS CIR package that best matches the characteristics of their data and its associated priority levels.

<sup>1</sup> 100 Mbps ports installed prior to August 1, 2013, may be limited to 1526 bytes.

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(H) (Cont'd)

(2) Per Packet Class of Service Arrangement (Cont'd)

(e) Ethernet Virtual Circuits (EVC) (Cont'd)

The following chart provides the maximum number of EVCs supported for point-to-point and multipoint configurations on each Customer Port Connection:

Per Customer Port Connection	EVCs
100 Mbps	Up to 8 EVCs
1 Gbps	Up to 64 EVCs
10 Gbps	Up to 508 EVCs

Customers may configure EVCs as point-to-point (connecting two locations) or as multipoint (connecting three or more locations), as defined above. Point-to-point EVCs (i.e., EVCs between two ports) can be associated with an unlimited number of MAC addresses. Multipoint EVCs (i.e., EVCs between three or more ports) will be limited to 250 MAC addresses per multipoint EVC on each port, unless the Customer purchases the Additional MAC Addresses optional feature. MAC addresses associated with point-to-point EVCs do not count against this limit. For example, a port that is provisioned with 3 separate multipoint EVCs may have up to 250 MAC addresses associated with each of those EVCs, for a total of 750 MAC addresses in use on that port, but each EVC is still limited to a maximum of 250 MAC addresses. (C)

(f) Frame Size

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<sup>1</sup> 100 Mbps ports installed prior to August 1, 2013, may be limited to 1526 bytes. (N)