

AT&T OHIO GUIDEBOOK

PART 15 - Dedicated Telecommunications Services
SECTION 3 - Digital Private Line Services

2nd Revised Sheet 16

3. DS1 SERVICE

Except as otherwise indicated in this Guidebook for Wire Centers in Part 2, Section 2, Paragraph 1.A, effective November 1, 2025, DS1 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 rates until the service is discontinued.

(N)

(N)

A. Description

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

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

- Two customer-designated premises
- A Company wire center or customer-designated premise and a Company wire center where multiplexing, hubbing or cross-connection functions are performed
- Two Centrex locations
- The patron of an Interconnector and a Company wire center for connection to Optical Interconnection Service
- A customer-designated or Other Telecommunications Carriers (OTC) premises to the premises of a OTC for connection to the services or facilities of the OTC
- A customer-designated premise and an Network Reconfiguration Service (NRS)^{/1/} system location, or between two NRS system locations (C)
- A customer-designated premise and a Company wire center;
 - For access to Centrex
 - For digital trunk access with Digital Trunking Service or ISDN Prime Service
 - For interconnection to Voice Gateway type network equipment

^{/1/} 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.

4. DS3 SERVICE

Except as otherwise indicated in this Guidebook for Wire Centers in Part 2, Section 2, Paragraph 1.A, effective November 1, 2025, DS3 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 rates until the service is discontinued.

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(N)**A. Description**

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

- Two customer-designated premises.
- A Company wire center or customer-designated premises and a Company wire center where multiplexing, hubbing or cross-connection functions are performed.
- Company wire centers for termination in central office multiplexers.
- The patron of an Interconnector and a Company wire center for connection to Optical Interconnection Service.
- A customer-designated or Other Telecommunications Carriers (OTC) premises to the premises of an OTC for connection to services or facilities of the OTC.
- A customer-designated premises and a Network Reconfiguration Service (NRS)^{/1/} system location, or between two NRS system locations.

B. DefinitionsLocal Distribution Channel

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

C. Terms and Conditions

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

1. Rate Zone Wire Center Assignment

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

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

/1/ 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.

5. OC-*n* POINT-TO-POINT SERVICE

Except as otherwise indicated in this Guidebook for Wire Centers in Part 2, Section 2, Paragraph 1.A, effective November 1, 2025, OC-*n* Point-to-Point 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 rates until the service is discontinued.

(N)

(N)

A. Description**A. Description**

OC-*n* Point-to-Point Service (OC-*n* channels) provides high speed synchronous optical fiber-based full duplex data transmission capabilities. OC-*n* channels may be either channelized (non-concatenated) or non-channelized (concatenated) designated as OC-*nc*. This service provides optical data transmission with the following characteristics:

- OC-3/OC-3c Service provides channels operating at the terminating bit rate of 155.52 Mbps
- OC-12/OC-12c Service provides channels operating at the terminating bit rate of 622.08 Mbps
- OC-48/OC-48c Service provides channels operating at the terminating bit rate of 2488.32 Mbps
- OC-192/OC-192c Service provides channels operating at the terminating bit rate of 9953.28 Mbps

OC-*n* channels may be used to connect:

- A customer-designated premises to another customer-designated premises.
- A customer-designated premises to a Company location where Add/Drop Multiplexing, Add/Drop Functions and/or cross-connections are performed.

OC-*n* channels may be connected by:

- Using the appropriate OC-*n* Add/Drop Multiplexer (mux) along with the Add/Drop Function to an DS1 and/or DS3 at suitably equipped wire centers, i.e. non-concatenated, or
- Using the full bandwidth premises to premises, i.e. concatenated.

8. CENTRAL OFFICE MULTIPLEXING AND CROSS CONNECT SERVICES

Except as otherwise indicated in this Guidebook for Wire Centers in Part 2, Section 2, Paragraph 1.A, effective November 1, 2025, Central Office Multiplexing and Cross Connect Services 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 rates until the service is discontinued.

(N)

(N)

A. Description

Central Office Multiplexing is a wire center based optional service that either derives multiple transmission paths from a single transmission source or combines multiple transmission sources into a single transmission path. Central Office Multiplexing may be available in the following configurations:

- DS3/DS1 is a serving arrangement that either converts an electrical DS3 channel to twenty-eight DS1 channels or converts twenty-eight DS1 channels to an electrical DS3 channel. Timing for the DS1 channels utilizes digital time division multiplexing.
- DS1/(Analog, Base Rate Service^{/2/} or 128, 256 and 384 Service^{/1/}) is a serving arrangement that either converts a DS1 into twenty-four channels for use with Analog, Base Rate Service or 128, 256, 384 Service or converts twenty-four Analog, Base Rate Service or 128, 256, 384 Service channels into a DS1 channel.

Cross Connect is a wire center based optional service that cross-connects an OC-3 or OC-12 Service to another service of the same speed or to an add/drop function of the same speed at a wire center for the same or different customer on a per circuit basis.

Fiber Hub Cross Connect is an optional service arrangement that cross-connects a DS1 Service, DS3 Service, or Base Rate Service^{/2/} termination to another service termination of the same speed at a designated Fiber Hub location.

Multiplexer Cross-Connection (MCC) is an arrangement that allows one channel of a multiplexed DS1 or DS3 Service to be connected to one channel of the same bit rate and like signaling of another multiplexed DS1 or DS3 Service. The lesser speed channel may be either an analog channel or a Base Rate^{/2/} channel provided at 64 Kbps of bandwidth between the two DS1 multiplexers, or DS1 Service between two DS3 multiplexers. MCC will be provided at all, or between two, Company locations where multiplexing is performed.

B. DefinitionsCascade Multiplexing

Occurs when a higher speed channel is de-multiplexed to provide channels of a lesser capacity and one of the lesser capacity channels is further de-multiplexed.

Hub Rearrangement

Occurs when an existing channelized digital service between a customer premises and a hub location is multiplexed onto a new higher speed digital service at the hub.

/1/ Effective September 6, 2016, customers may not establish new term plans of any length for 128, 256 and 384 Service, and existing term plans may not be renewed. For existing service after any term plan expires, service will be provided only on a month-to-month basis.

/2/ Effective June 30, 2021, Base Rate Service is grandfathered. See Part 20, Section 15, Sheet 141 for service availability.

DS1 Service

(N)

DS3 Service

OC-n Point-to-Point Service

Central Office Multiplexing and Cross Connect Services

Effective November 1, 2025, Services in Part 15, Section 3 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 existent term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued.

(N)

For Service Descriptions and Rates, see AT&T Illinois Guidebook Part 15, Section 3.