

AT&T ILLINOIS GUIDEBOOK

PART 7 - Central Office Optional Features
SECTION 4 - Remote Call Forwarding (RCF) Service

2nd Revised Sheet 1

REMOTE CALL FORWARDING

Except as otherwise indicated for Wire Centers Wire Centers in Section 2.2.A, effective November 1, 2025, Remote Call Forwarding 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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A. General

1. Remote Call Forwarding (RCF) is a local exchange telecommunications service feature whereby all calls dialed to a telephone number equipped for RCF are automatically forwarded to another dialable exchange or 800 service telephone number. The calling party pays only the applicable charges to call the number equipped with an RCF feature, while the RCF customer pays the applicable charges for the forwarded portion of the call.
2. RCF service is offered subject to availability of suitable facilities.
3. RCF service cannot terminate on or be forwarded to:
 - Coin Service
 - Access Services unless otherwise specified in the Access Service Tariff
 - 700 numbers
 - International telephone numbers
 - Numbers associated with N11 services such as 911, 411, 511, 211
 - Other RCF telephone numbers
4. The Company will not provide identification of the originating telephone number to the RCF customer.
5. Transmission characteristics may vary depending on the distance and routing necessary to complete the remotely forwarded call. Therefore, the normal grade end-to-end transmission is not guaranteed on such calls.
6. RCF service is not represented as suitable for satisfactory transmission of data.
7. Call Forwarding should not be offered as a feature at the number to which the call is forwarded.
8. One listing in the Company's Listing Information System is provided without charge.
9. The customer subscribing to RCF service must be located beyond the Local Area Service flat rate calling area in those exchanges where Message Rate Service or Business Usage Service is not offered.
10. Where a customer or an associated group of customers order multiple Remote Call Forwarding numbers for the same type of business in the same local Listing Information System area, Company reserves the right to limit and remove listings for Remote Call Forwarding service, where the number of listings: (1) are excessive; (2) detract from the utility or appearance of Company's Listing Information System; (3) diminish or lessen other customers' listings; or (4) are designed to gain a numeric and competitive advantage over other business entities in the same line of business.
11. Each RCF feature allows for forwarding one call at a given time. An additional feature is necessary for each additional call to be forwarded simultaneously.
12. RCF service will only be provided when, in the judgment of the Company, the customer subscribes to sufficient RCF features and facilities at the terminating location to adequately handle calls without interfering with or impairing any services offered by the Company.

DS1 SERVICE

Except as otherwise indicated for Wire Centers in Section 2.2.A, effective November 1, 2025, DS1 Service described 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 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). Timing is provided by the Company through the Company's facilities to the customer in the receiving bit stream. 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
- Company wire centers for termination in central office multiplexers
- 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 premises and an Network Reconfiguration Service (NRS)^{/1/} system location, or between two NRS system locations
- A customer-designated premises 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

B. DefinitionsExtended Superframe (ESF) Format

A signaling framing format for DS1 services consisting of frames with 192 information digit time slots preceded by a one digit time slot containing a Frame (F) bit. The ESF framing format consists of 24 consecutive frames as above in a structure where the F bits are divided into three groups used for framing, monitoring and datalink functions according to detailed specifications contained in industry standard ANSI T1.403-1995.

Superframe (SF or D4) Format

A signal framing format for DS1 services consisting of frames with 192 information digit time slots preceded by a one digit time slot containing a Frame (F) bit. The SF or D4 framing format consists of twelve consecutive frames as above in a structure where the F bits are used for framing only and are divided into two groups used for terminal framing and signaling framing functions according to detailed specifications contained in industry standard ANSI T1.403-1995.

/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.

DS3 SERVICE

Except as otherwise indicated for Wire Centers in Section 2.2.A, effective November 1, 2025, DS3 Services described 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 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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Effective August 29, 2025, customers may not elect a Term Payment Plan of any length, and existing Term Payment Plans of any length will not be renewed or extended. Upon expiration of any Term Payment Plan, month-to-month rates will apply subject to the Company's right to modify such rates upon notice to customer.

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. Terms and Conditions

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

1. *Access Area Wire Center Assignment*

Each Company wire center has been assigned to an Access Area. A table listing all Company Illinois wire center Access Area assignments can be found in Part 4, Section 2.

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.
3. The minimum service period for DS3 Service is 12 months.

/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.

OC-n POINT-TO-POINT SERVICE

Except as otherwise indicated for Wire Centers in Section 2.2.A, effective November 1, 2025, OC-n Point-To-Point Service described 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 existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. (N)

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 premise 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.

OC-n Point-to-Point Service, based on customer requirements, can be configured in any of the following ways:

OC-3

- Three STS-1 (Synchronous Transport Signals) channels which each contain:
 - One DS3 that is STS-1 mapped
 - Up to 28 DS1s that are VT-mapped
 - An STS-1 channel without constraint to payload mapping when the STS-1 channel does not terminate via an Add/Drop Function to DS1 or DS3 services within the network
- A single concatenated STS-3C channel
- 1 Gbps Ethernet STS-1, 1v-2v

CENTRAL OFFICE MULTIPLEXING AND CROSS CONNECT SERVICES

Except as otherwise indicated for Wire Centers in Section 2.2.A, effective November 1, 2025, Central Office Multiplexing and Cross Connect Services described 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 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)

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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 or Base Rate Service is a serving arrangement that either converts a DS1 into twenty-four channels for use with Telecommunications Channel Services^{/1/} or Base Rate Service or converts twenty-four Telecommunications Channel Services^{/1/} or Base Rate 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 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 channel provided at 64 Kbps of bandwidth between the two DS1 multiplexers, or a DS1 Service between two DS3 multiplexers. MCC will be provided at all, or between two, Company locations where multiplexing is performed.

/1/ Telephone exchange service, as described in Part 4, Section 2, may be connected to the central office multiplexer location at the wire center where the local exchange services originate. Telephone Exchange Service may only be multiplexed at the customer's premises located within that serving wire center area.

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For Service Descriptions and Rates, see AT&T Illinois Guidebook Part 7, Section 4, Sheet 1. (N)

DS1 SERVICE

(N)

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For Service Descriptions and Rates, see AT&T Illinois Guidebook Part 15, Section 3, Sheet 1.

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For Service Descriptions and Rates, see AT&T Illinois Guidebook Part 15, Section 3, Sheet 1.

OC-n POINT-TO-POINT SERVICE

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For Service Descriptions and Rates, see AT&T Illinois Guidebook Part 15, Section 3, Sheet 28.

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For Service Descriptions and Rates, see AT&T Illinois Guidebook Part 15, Section 3, Sheet 96.

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