

CENTREX ELECTRONIC TANDEM SWITCHING FEATURES

A. GENERAL

Centrex Electronic Tandem Switching Features are provided only in association with Centrex Service furnished from compatible electronic type switching equipment located on the premises of the Company, and may be provided only to Centrex systems which are served by the same such switching equipment.

B. TERMS AND CONDITIONS

1. Explanation of Terms

Automatic Route Selection - Deluxe

- a. Automatic route selection - deluxe accepts only a ten-digit telecommunications network call attempt after a Centrex Service automatic route selection - deluxe facilities code is dialed, automatically scans the digits and selects the first choice completing route when available, or subsequent route if the first choice route is not available. Routes may include foreign exchange trunk facilities, Wide Area Telephone Service (WATS) access line facilities, Local Exchange Service access line facilities to the long distance telecommunications network and Common Control Switching Arrangement (CCSA) access lines or other facility arrangements where compatible.

The final completion route may be to the long distance telecommunications network or, at the option of the customer, the call attempt is routed to overflow tone if a facilities restriction level is insufficient to complete the call. When automatic route selection - deluxe is provided in conjunction with uniform numbering/automatic alternate routing, incoming tie trunks from other Centrex or Private Branch Exchange (PBX) systems connected directly to the automatic route selection - deluxe equipped Centrex system may be arranged to have automatic access to the automatic route selection - deluxe and uniform numbering/automatic alternate routing features. When such arrangements are provided, the tie trunks to the Centrex automatic route selection - deluxe become dedicated tie trunks and separate tie trunks are required from the distant Centrex or PBX systems if access is to be provided to other Centrex functions at the automatic route selection - deluxe-equipped Centrex system. In addition, when automatic route selection - deluxe is provided in conjunction with uniform/numbering automatic alternate routing, routes may include tie trunks to a distant Centrex system or PBX equipped with an automatic route selection - deluxe-like capability for subsequent access to the long distance telecommunications network. The automatic route selection - deluxe feature provides all number translation and supervision necessary to route the call, and a more expensive route tone is supplied, at the option of the customer, as a function of the route selected for a particular call.

CENTREX ELECTRONIC TANDEM SWITCHING FEATURES

B. TERMS AND CONDITIONS (Cont'd)

1. Explanation of Terms (Cont'd)

Automatic Route Selection - Deluxe (Cont'd)

b. Time-of-day Routing

Time-of-day routing is an automatic route selection-deluxe option which permits preprogrammed selection of up to three sets of alternate routing pattern groups for off-network calls on a time-of-day and day-of-week basis. Manual override of time-of-day routing is available with the facility administration and control feature.

Centrex Electronic Tandem Switching features

Centrex Electronic Tandem Switching Features are optional service features which are, except as specified for customer administration and control following, comprised of both automatic route selection - deluxe and facilities restriction levels and, at the option of the customer, the following service features and arrangements are available.

Account Codes
Authorization Codes
Automatic Overflow to Direct Distance Dialing
Centralized Station Message Detail Recording
Deluxe Queuing
Facility Administration and Control
Facility Assurance Reports
Station Message Detail Recording to Premises*
Time-of-day Routing
Traffic Data To Customer-Pollable
Uniform Numbering/Automatic Alternate Routing

Customer Administration and Control

Customer administration and control is comprised of either or both of the following Centrex electronic tandem switching features.

- a. Facilities administration and control permits customer control of parameters which determine user calling privileges, i.e., authorization codes and associated facilities restriction levels. In addition, facilities restriction levels associated with Centrex lines, tie trunks and authorization codes may be collectively upgraded or down-graded by invoking a predetermined set of facilities restrictions levels identified as controlled alternate facilities restrictions levels. Manual override control of time-of-day pattern groups and activation or deactivation of queuing on a facility group basis is also provided.

* Effective December 31, 2021, Station Message Detail Recording to Premises has been withdrawn and is no longer available. (C)
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CENTREX ELECTRONIC TANDEM SWITCHING FEATURES

B. TERMS AND CONDITIONS (Cont'd)

1. Explanation of Terms (Cont'd)

Customer Administration and Control (Cont'd)

- b. Traffic data to customer-pollable/facility assurance reports permits the customer to poll the switching equipment on a daily or hourly basis to obtain certain traffic measurements on facility groups and queues, and provides the customer the ability to obtain automatic circuit assurance data, such as the identity of facilities not accessed and facilities constantly off-hook in the previous two hours.

Control equipment must be provided on the customer's premises to record the traffic data and obtain automatic circuit assurance data.

Deluxe Queuing

Deluxe queuing permits a call from a line user to be placed in queue on the first choice route in the automatic route selection - deluxe or uniform numbering/automatic alternate routing pattern if all routes allowed by the user's facilities restriction level in that routing pattern are already in use. Two queuing arrangements are available.

a. Ring-back Queue

A ring-back queue, in which case the handset of the calling station is placed on the switchhook and the calling line is called back when a facility in the first choice route becomes available.

b. Off-hook Queue

An off-hook queue, in which case the calling line remains off-hook and is held in queue until a facility in the first choice route becomes available.

Calls held in queue beyond a predetermined time limit will be removed from the queue and be routed, at the option of the customer, via subsequent route choices or to an overflow tone.

B. TERMS AND CONDITIONS (Cont'd)
1. Explanation of Terms (Cont'd)

a. A facilities restriction level is required in connection with automatic route selection - deluxe. Each station line and incoming tie trunk is provided a facilities restriction level to determine both the types of calls and types of facilities within the privileges of the associated user. When the facilities restriction level is transmitted over a tie trunk to a distant PBX or Centrex system equipped with automatic route selection - deluxe like capability, it is identified as a traveling class mark.

- The Centrex system requires dialing of the authorization code when the default facilities restriction level, i.e. the facilities restriction level associated with the line or incoming tie trunk, has insufficient privileges to complete the call. The authorization code is also verified and recorded in the station message detail recording to premises record when the station message detail recording to premises feature is provided.

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CENTREX ELECTRONIC TANDEM SWITCHING FEATURES

B. TERMS AND CONDITIONS (Cont'd)

1. Explanation of Terms (Cont'd)

Uniform Numbering/Automatic Alternate Routing

- a. Uniform numbering permits users to place calls via tie trunks using a uniform dialing plan. The user dials an access code, and an account code, where this option is provided, followed by a seven-digit number which uniquely identifies a special on-network line.

The number consists of a three-digit location code and a four-digit line number. When the same access code is followed by a ten-digit telecommunications network number, the call is routed via the automatic route selection - deluxe feature. The uniform numbering feature provides the number translation and supervision necessary to route the call.

- b. Automatic alternate routing provides automatic routing of on-network calls to alternate tie trunk routes when primary tie trunk routes are busy.
- c. Automatic overflow to Direct Distance Dialing is an option of uniform numbering/automatic alternate routing which provides completion of on-network call attempts over the long distance telecommunications network when all primary and alternate tie trunk routes are busy.

2. Automatic Route Selection - Deluxe

- a. Automatic route selection - deluxe is furnished only in association with facility restriction levels.
- b. Preferred and alternate routes in automatic route selection - deluxe routing patterns will be specified by the customer.
- c. A maximum of three automatic route selection - deluxe pattern groups with a maximum of 64 patterns in each pattern group will be provided. The three pattern groups referred to will consist of one primary and two additional pattern groups for time-of-day routing.
- d. A maximum of ten routes are provided in a routing pattern.
- e. Each WATS band is treated as a separate route.
- f. A maximum of 64 number plan areas, including the home number plan area, may be designated by the customer for routing of calls by number plan area and central office codes.

CENTREX ELECTRONIC TANDEM SWITCHING FEATURES

B. TERMS AND CONDITIONS (Cont'd)

2. Automatic Route Selection - Deluxe (Cont'd)

- g. The time-of-day routing feature permits up to 16 programmed changes in pattern groups per week. When additional automatic route selection - deluxe patterns are required due to time-of-day changes, rates and charges as specified in C. following apply to each additional pattern.
- h. The Centrex Service optional feature of Long Distance Message Restriction Service does not function on calls routed via automatic route selection - deluxe.

3. Facility Restriction Levels

- a. Facility restriction levels are only furnished in association with automatic route selection - deluxe.
- b. A maximum of eight facilities restriction levels are available for each Centrex system.
- c. A maximum of 20,000 authorization codes are available for each Centrex system.
- d. Authorization codes must consist of a uniform number of digits, with a minimum of three and a maximum of six digits.
- e. Customer implementation of change of authorization codes or associated facilities restriction levels requires the facilities administration and control feature.

4. Deluxe Queuing

- a. The text and announcement provided with the recorded announcement option of deluxe queuing will be provided by the Company.
- b. The music-on-queue option is available only with off-hook queue and the music source must be provided by the customer.
- c. The customer must specify the length of time a call is held in queue before overflowing to subsequent routes or to overflow tone.
- d. Off-hook queue must be equipped for either recorded announcement or music-on-queue options.
- e. Incoming tie trunks can only be arranged for off-hook queue.
- f. Lines at a Centrex electronic tandem switching location may have either ring-back queue or off-hook queue. All such lines must be equipped with the same type queuing.

B. TERMS AND CONDITIONS (Cont'd)

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CENTREX ELECTRONIC TANDEM SWITCHING FEATURES

B. TERMS AND CONDITIONS (Cont'd)

7. Uniform Numbering/Automatic Alternate Routing

- a. When uniform numbering/automatic alternate routing is provided, the customer must specify the first choice route and each subsequent route to each Centrex or PBX system involved.
- b. The maximum number of routes in a routing pattern is four and the maximum number of routing patterns is 180.
- c. Calls routed via the long distance telecommunications network are subject to the appropriate long distance messages charges.

8. Centralized Station Message Detail Recording**

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C. RATES

1. Automatic Route Selection - Deluxe

a. Common Equipment, per access, code, per Centrex customer group equipped in a compatible electronic switching system	Service Establishment Charge	Installation Charge	Per Month	USOC
	\$3320.00	\$1570.00	\$390.00	ASH
b. Route Selection Patterns				
(1) Per facility connected in a pattern or patterns*		-	4.40	ASJ
(2) By numbering plan area code only, per pattern		39.00	5.70	ASK
(3) By numbering plan area and central office codes, per pattern		175.00	16.00	ASO
c. Arrangements for Additional Pattern Groups for Time-of-day Routing, each		335.00	29.50	

* In addition, rates and charges apply as specified in this Company's applicable tariff or product guide for the associated facility and facility connection.

** Effective December 31, 2021, Centralized Station Message Detail Recording has been withdrawn and is no longer available.

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CENTREX ELECTRONIC TANDEM SWITCHING FEATURES

C. RATES (Cont'd)

1. Automatic Route Selection -
Deluxe (Cont'd)

	<u>Service Establishment Charge</u>	<u>Installation Charge</u>	<u>Per Month</u>	<u>USOC</u>
d. Additions and Changes				
(1) Additions, deletions or changes of routes, associated facilities restriction levels, or more expensive route tone application in existing patterns, per pattern†		\$39.00	None	RCHA
(2) Addition of patterns, per pattern.....		Apply same rates and charges as specified in b.(2) and b.(3) preceding.		(U)
(3) Addition of a facility to, or deletion of a facility from, an existing route		-	None	-
(4) Additions or changes in numbering plan area or central office code routing, per code, per pattern group affected†		32.00	None	RCHA
(5) Additions, deletions and/or changes in time-of day routing intervals		50.00	None	RCHA

2. Facilities Restriction Level

a. Centrex Line or Incoming or Two-way Tie Trunk Connection, each.....	-	8.00	.30	(U)
b. Authorization Codes				
(1) Common equipment, each	\$5925.00	845.00	430.00	AUA
(2) Authorization codes, per 100 codes, or fraction thereof	-	31.00	6.70	AUS

† This charge is applicable whether the code addition or change is customer or Company initiated.

CENTREX ELECTRONIC TANDEM SWITCHING FEATURES

C. RATES (Cont'd)

2. Facilities Restriction Level (Cont'd)

b. Authorization Codes (Cont'd)

	<u>Service Establishment Charge</u>	<u>Installation Charge</u>	<u>Per Month</u>	<u>USOC</u>
(3) Per facility connected in an automatic route selection - deluxe or uniform numbering/automatic alternate routing patterns, alternate routing pattern or pattern or patterns, each -		-	\$3.45	AUF

c. Changes

(1) Changes in facilities restriction level per line or tie trunk connection, each -		\$4.00	None	
(2) Change in a single authorization code and/or associated facilities restriction level where Company service order activity is required, each -		4.00	None	RCH

3. Deluxe Queuing

a. Common Equipment, per Centrex customer group equipped in a compatible electronic type switching system.\$1685.00	365.00	175.00	QDC
b. Queue, per facility group equipped.....	110.00	2.60	QDF

CENTREX ELECTRONIC TANDEM SWITCHING FEATURES

C. RATES (Cont'd)

3. Deluxe Queuing (Cont'd)

	<u>Installation Charge</u>	<u>Per Month</u>	<u>USOC</u>
c. Queue Slots			
(1) Off-hook queue slot with:			
(a) Recorded announcement, each	-	\$25.00	QDA
(b) Music, each†	-	24.00	QDM
(2) Ring-back queue slot, each	-	16.75	QDR
d. Recorded Announcement Common Equipment, each.....	\$53.00	78.00	QDE
e. Music-on-queue			
(1) Common equipment, each	180.00	175.00	QDD
(2) Connecting channel between serving central office common equipment and the music source on the customer premises	Apply rates and charges for Series2000, type 2120, Channel as specified in this Company's Channel Services Product Guide, Section 3.		(U)
f. Changes			
(1) Change from ring-back queue to off-hook queue or vice versa, per queue	46.00	None	RCHQ
(2) Change in the quantity of queue slots, per queue	46.00	None	RCHQ
(3) Change in queue threshold time limit, per queue	46.00	None	RCHQ
(4) Change in recorded announcement, each	46.00	None	RCHQ

* In addition, recorded announcement common equipment is required as specified in d. following.

† In addition, music-on-queue is required as specified in e. following.

CENTREX ELECTRONIC TANDEM SWITCHING FEATURES

C. RATES (Cont'd)

3. Deluxe Queuing (Cont'd)
f. Changes (Cont'd)

	Service Establishment Charge	Installation Charge	Per Month	USOC
(5) Change in post-queue routing from subsequent routes to tone or vice versa, per queue		\$46.00	None	RCHQ!
4. Station Message Detail Recording to Premises#				

- * In addition, a data set is required as specified in (4) following.
- † Applies to all originating facilities connecting in automatic route selection
- deluxe or uniform numbering/automatic alternate routing patterns when any
such facility is arranged to provide an originating record to the customer.
- ** Also applies to the initial provision of account codes in a system when such
provision is subsequent to the installation of station message detail
recording to premises.
- # Effective December 31, 2021, Station Message Detail Recording to Premises has
been withdrawn and is no longer available.

Effective: December 31, 2021

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C. RATES (Cont'd)

In addition, a PBX trunk is required at rates and charges as specified in this Company's Local Exchange Services Tariff, Section 2.

CENTREX ELECTRONIC TANDEM SWITCHING FEATURES

C. RATES (Cont'd)

5. Uniform Numbering/Automatic Alternate Routing (Cont'd)

	Service Establishment Charge	Installation Charge	Per Month	USOC
c. Additions and Changes				
(1) Additions, deletions or changes of routes or associated facilities restriction levels in existing patterns, per pattern	-	\$ 39.00	None	RCHUP
(2) Additions of patterns, per pattern	Apply same rate and charge as specified in b.(1) preceding.			UNP
(3) Additions or deletion of a facility to an existing route	-	-	None	-
(4) Additions or changes in on-network location code routing, per code	-	50.00	None	RCHUC

6. Customer Administration and Control

Central Office Equipment

a.	Common Equipment, each*...	\$775.00	1155.00	\$825.00	CAX
b.	Data Set, each†.....	Rates and charges apply as specified for Data Sets in Section 6 of this product guide.			
c.	Facilities				
	Administration and Control Common				
	Equipment, each.....	2665.00	215.00	325.00	FA2

* One central office common equipment is required in connection with the furnishing of either or both items specified in c. and d. following. In addition, a data set is required as specified in b. following.

† In addition, a business individual line is required at rates and charges as specified in this Company's Local Exchange Services Tariff, Section 2.

CENTREX ELECTRONIC TANDEM SWITCHING FEATURES

C. RATES (Cont'd)

6. Customer Administration and Control (Cont'd)

	Service Establishment Charge	Installation Charge	Per Month	USOC
d. Traffic Data to Customer-pollable/Facility Assurance Reports				
(1) Common equipment, each	\$8645.00	\$235.00	\$460.00	PTA
(2) Per queue equipped ..	-	61.00	3.70	PTU
(3) Per facility group equipped	-	61.00	8.90	P
7. Centralized Station Message Detail Recording#				

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