

1. ADVANCED CENTREX SERVICE

A. Description

Advanced Centrex Service is an electronic system utilizing stored program control in #1/1A ESS, #2B ESS, #5 ESS, and DMS-100 Central Offices. It is furnished, subject to the availability of facilities, by means of equipment located in a Company Central Office. Centrex is offered only as a complete service. The Exchange Access and Intercommunication portions of the Primary Station are not offered separately. Exchange Access will be applied using Channel Equivalency which is based on Station Cell Size per location and Intercommunication will be based on Cell Size which is determined by total number of Primary Stations per location.

This offering is a Central Office based service which is an alternative to premises based PBX, Multifunction and Key systems and replaces existing Centrex offerings for new customers. It is designed to serve that part of the exchange territory which is most economical for a loop based system (that area nearest the Company Central Office).

ISDN Centrex

An ISDN Centrex line is available only to those customers subscribing to Advanced Centrex Service. ISDN Centrex lines will operationally be part of the customer's Advanced Centrex Service system. An ISDN Centrex line is configured as an ISDN basic rate line and utilizes two 64 Kbps "B" channels and one 16 Kbps "D" channel (2B+D). The "B" channels are used to carry user information and the "D" channel is used to carry signaling and user packet switched data. A maximum of eight (8) services are permitted per ISDN Centrex line including a maximum of two "B" channel services.^{/1}

The standard offering is within 2 miles of the serving central office, where facilities permit, and capacity is available. Breakpoint charges as shown in Advanced Centrex Service apply for service requested beyond 2 miles from the serving central office. In addition, charges as found in Section 2 for Extended Loop Facility apply for service requested beyond the normal transmission limits as specified in the Interface Specification.

/1/ Effective July 16, 2005, B- and D-channel packet switching as part of this service offering is grandfathered and no longer available to new customers. Existing customers may retain the service on an uninterrupted basis at their current location.

1. ADVANCED CENTREX SERVICE (cont'd)

A. Description (cont'd)

ISDN Centrex (cont'd)

ISDN Centrex - National

Offers features and capabilities which are standardized with the different types of central office switches. In addition, standard customer premises equipment is required.

ISDN Centrex - Custom

Offers features and capabilities which are proprietary to different types of central office switches. The subscriber may utilize proprietary or other compatible customer premises equipment.

B. Definitions

Intercom Only Station

A station within the Advanced Centrex Service which has intercommunication with other Centrex Stations only. Therefore, this station is restricted from all of the following: 1) placing calls over the toll network, 2) receiving calls from the toll network, 3) placing calls over the local network, and 4) receiving calls from the local network. If the station is capable of doing one or more of the functions in the preceding sentence, the station is either a pure Primary Station or a Primary Station with restriction(s).

1. ADVANCED CENTREX SERVICE (cont'd)**B. Definitions (cont'd)**Retail vs. Retail/Resale Application (Terminology)

Advanced Centrex Service is available for the provision of local exchange service directly to the entity using such service to place and receive calls (retail application). Advanced Centrex Service is also available to an entity for resale, at retail prices, to its customers (retail/resale application).

In the retail application, the terms customer, subscriber, user, station user, group, group member, account, agent, supervisor or attendant position shall be understood to mean the entity which requested and agrees to pay for Advanced Centrex Service or its employees, agents and affiliates.

In the retail/resale application, the terms customer or subscriber shall be understood to mean:

- The "Reseller" when the context concerns: ordering service (or as appropriate blocking service) for resale to its customers; entering into and terminating payment plans for resold service; requesting repair of resold service, including authorization for the dispatch of service technicians to the Reseller's Customer's premises as well as performance of any premises work; and billing responsibility for the provision of Advanced Centrex Service ordered by Reseller, and the use, activation or premature termination of service by Reseller's Customers; or
- The "Reseller's Customer" when the context concerns: the service location (premises); the configuration and sizing of the telecommunications system, network, or service resold; and the manner in which the resold service, including any aspects or capabilities of the service, are used, activated, or accessed. Reseller's Customer is also the equivalent term of any of the following or similar terms: user, station user, group, group member, account, agent, supervisor or attendant position.

1. ADVANCED CENTREX SERVICE (cont'd)**C. Terms and Conditions**

1. The Company will furnish, without additional charge, a listing in the Alphabetical Directory of the name of the customer.
2. To establish Advanced Centrex Service, a minimum of 11 Primary Stations in one system for the same customer is required. (C)
3. Station features are activated, deactivated and changed by the preparation and entry of feature information in the Central Office. The activation of any available feature included with the Intercommunication portion of the Primary Station is optional.

Features which are not included with the Primary Station may be included in a customer's Advanced Centrex Service at the prices specified (see PRICES - Station Features) without affecting the existing payment period.

4. There are standard and optional features associated with each service element and the availability, functions and capabilities of the features may vary due to the serving central office technology.
5. Customers may subscribe on a month-by-month basis only where facilities exist.
6. ISDN Centrex service is available from specially equipped digital switching equipment located in the Company central office.

1. ADVANCED CENTREX SERVICE (cont'd)**C. Terms and Conditions (cont'd)**

7. When the customer's premises and the serving central office providing ISDN Centrex service are located in different Service Areas, OPTINET Base Rate Charges, as specified in Part 15, will apply. Customers provided this service arrangement will require three Interexchange Mileage component charges and six Channel Mileage Termination charges for each ISDN Centrex line they purchase.
8. A Centrex customer with communication needs that require the use of customer premises equipment classified as a Multifunction System, Private Branch Exchange (PBX) Service, or similar type equipment with access to the exchange network will be provided Centrex stations at the Centrex Trunk Station rate set forth in 1.F.1 following. (T)

The Company may interrupt service at any time if such action should become necessary because of a violation of this requirement. The service will be re-established at appropriate prices specified for Exchange Services for the customer premises equipment involved. In addition, a one time payment to cover the difference in service billing will apply. The payment will be computed using the date the Advanced Centrex Service was established. If the customer can provide an order showing the customer premises equipment was installed subsequent to the Advanced Centrex Service the Company will compute the payment using that date.

9. Centrex C.O. and Centrex Communication System Service customers with service currently furnished from #1/1A ESS, #2B ESS, #5 ESS, and DMS-100 Central Offices, may transition to any payment period under the new Advanced Centrex Service which is equal to or greater than the remaining time on their existing contract

1. ADVANCED CENTREX SERVICE (cont'd)

C. Terms and Conditions (cont'd)

10. Centrex intercom calling is only allowed between station users internal to the end user customer or station users of an affiliate company of the end user customer.
11. Direct interconnection of Centrex systems belonging to unaffiliated end user customers is prohibited.
12. The intercom prices for each Centrex system are based on a 1 1/2 or less (Centum Call Second) load.
13. Multiple circuit switched "B" channel devices are allowed, where facilities permit, on an ISDN Centrex line. The Company supports up to four (4) devices to share the "B" channels, per ISDN Centrex line.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features****1. Feature Availability**

B - Basic
 O - Optional - No additional recurring price
 Ø - Optional - Additional prices apply

<u>Station Features</u>	<u>Availability</u>
Automatic Callback ^{1/}	Ø
Call Forwarding Busy/Don't Answer - Internal/External Split ^{1/}	Ø
Call Forwarding - Don't Answer	O
Call Forwarding - Variable	O
Call Forwarding Over Private Facilities	Ø
Call Hold	O
Call Park/Directed Call Park	Ø
Call Pick-up	O
Call Transfer-Individual-All Calls; Consultation Hold-All Calls; and Three-Way Calling	B
Call Waiting	O
Caller ID	Ø
Caller ID with Name	Ø
Custom Calling Name on Centrex ^{2/}	Ø
Dial Call Waiting/Last Number Redial Package	Ø
Direct Connect	Ø
Directed Call Pick-Up with Barge-In	Ø
Directed Call Pick-Up Nonbarge-In	O
Distinctive Ringing and Call Waiting Tone ^{1/}	Ø
Message Waiting Lamp	Ø
Message Waiting Tone	Ø
Ring Again Enhanced	Ø
Simultaneous Ring One Number ^{2/}	Ø
Speed Calling - Changeable	O
Speed Calling Enhanced	Ø
Station Hunting	B
Station Toll Restriction	O
	(T)

^{1/} This feature is available only in those Central Offices programmed to provide this feature.^{2/} This feature is not available with ISDN.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)****1. Feature Availability (cont'd)**

B - Basic
 O - Optional - No additional recurring price
 Ø - Optional - Additional prices apply

<u>Station Features</u>	<u>Availability</u>
Attendant Camp-on	Ø
Attendant Console Feature Package	Ø
Authorization Codes	B
Automatic Identification of Outward Dialing (AIOD)	Ø
Automatic Route Selection-Basic (ARS-B)	Ø
Call Detail Recording System (CDRS)	Ø
Centrex Mate	Ø
Centrex Message Signal Interface	Ø
Centrex Network Manager ^{/1/}	Ø
Map-Pass Through	
Operational Measurements	
SMDR-Premium	
Centrex Routed Number	Ø
Centrex Virtual Network (CVN)	O
Conference Arrangement	Ø
Customer Dialed Account Recording (CDAR)	Ø
Dial Plan for Advanced Solutions (DPAS)	Ø
Direct Inward/Outward Dialing (DID/DOD)	Ø
	(D)
Large Conference	Ø
Music on Hold	B
Night Service	Ø
Open Interface	Ø
Other Common Carrier Access	B
Station-to-Station Dialing	Ø
Station Message Detail Recording (SMDR) ^{/2/}	Ø
Switched Services Network Access	Ø
Terminating Equipment	B
Touch-Tone	Ø
Uniform Call Distribution (UCD)	Ø
Virtual Routing	Ø

/1/ Effective January 30, 2009, Centrex Network Manager is no longer available for new installations. Existing customers may keep current arrangements in place until they move, but may not add any additional capabilities or features with Centrex Network Manager.

/2/ Effective December 18, 1998, this feature is no longer available to new Advanced Centrex Service customers or to existing customers expanding their current systems.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)****1. Feature Availability (cont'd)**

Std. - Standard

Opt. - Optional

<u>Station Features</u>	<u>Availability</u>
Alternate Circuit Switched Voice/Circuit Switched Data Service	
Circuit Switched Data Service	Opt.
Circuit Switched Voice Service	Opt.
On Demand Packet Switched Data "B" Channel Service ^{/1}	Opt.
Packet Switched Data "B" Channel Service ^{/1}	Opt.
Packet Switched Data "D" Channel Service ^{/1}	Opt.
	Opt.
<u>ISDN Circuit Switched Data</u>	<u>Availability</u>
Alternate Access	Opt.
Call Diverting	Std.
Calling Display on Intercom Calls	Std.
Far End Disconnect Supervision	Std.
Hunt Group for Shared Data Access	Std.
Intercom Calling	Std.
Speed Calling - Short	Std.
Queuing	Opt.

/1/ Effective July 16, 2005, B- and D-channel packet switching as part of this service offering is grandfathered and no longer available to new customers. Existing customers may retain the service on an uninterrupted basis at their current location.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

1. Feature Availability (cont'd)

Std. - Standard

Opt. - Optional

<u>ISDN Packet Switched Data "B" or "D" Channel^{/1}</u>	<u>Availability</u>
Call Diverting	Std.
Closed User Group (CUG) - Additional Member	Opt.
Closed User Group (CUG) - Individual Design	Opt.
Default Throughput Class Assignment	Std.
Fast Select	Std.
Fast Select Acceptance	Std.
Flow Control Parameter Negotiation	Std.
Hunt Group	Opt.
Intercom Calling	Std.
Logical Channels	
"B" Channel (up to 32 channels)	Std.
"B" Channel (greater than 32 channels)	Opt.
"D" Channel (up to 8 channels)	Std.
"D" Channel (greater than 8 channels)	Opt.
Non-Standard Default Flow Control Parameters	Std.
Permanent Virtual Circuit	Opt.
Recognized Private Operating Agency Selection	Std.
Reverse Charging	Std.
Reverse Charging Acceptance	Std.
Standard "B" Channel Parameter Arrangement	Std.
Standard "D" Channel Parameter Arrangement	Std.
Throughput Class Negotiation	Std.
Transit Delay Selection and Indication	Std.

/1/ Effective July 16, 2005, B- and D-channel packet switching as part of this service offering is grandfathered and no longer available to new customers. Existing customers may retain the service on an uninterrupted basis at their current location.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)****1. Feature Availability (cont'd)**

The following is a list of optional features which are included with the Intercommunication portion of the Primary Station and Intercom Only Stations.

Call Forwarding - Don't Answer

Call Forwarding - Variable

Call Hold^{/1/}

Call Pick-up

Call Waiting

Directed Call Pick-up Nonbarge-In

Speed Calling – Changeable

6 codes

- limited to a maximum of 30 Lists for systems up to 100 Primary Stations

- limited to a maximum of 100 Lists for systems up to 1,000 Primary Stations

- limited to a maximum of 200 Lists for systems over 1,000 Primary Stations

30 codes

- limited to a maximum of 35 Lists for systems up to 1,000 Primary Stations

- limited to a maximum of 75 Lists for systems over 1,000 Primary Stations

Toll Restricted^{/1/}

/1/ This feature is not available with Intercom Only Stations.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

2. Station Features

Automatic Callback

Permits a Primary Station user who attempts an intercommunication call to a busy Primary Station to be automatically connected to that station when both called and calling stations are subsequently idle. Automatic Callback is only operational for inter-communication calls between Primary Stations served by the same Centrex.

A calling Primary Station is permitted only one Automatic Callback request at a time. The called Primary Station is limited to only one request at a time for Automatic Callback. Once activated, Automatic Callback will remain active for a period not to exceed thirty minutes unless deactivated by the calling Primary Station.

Call Forwarding Busy/Don't Answer-Internal/External Split

Allows a station user to direct Call Forwarding Busy/Don't Answer calls based on whether the call originated from a station within the Centrex or a line outside of the Centrex.

Call Forwarding - Don't Answer

Permits the forwarding of calls, that are not answered within a predetermined number of rings, to a preselected station number.

Call Forwarding - Variable

Allows a Primary Station to have all calls automatically routed to another Primary Station. Each Primary Station equipped with this feature has the ability to activate and deactivate the forwarding as required.

Call Forwarding Over Private Facilities

A Primary Station user may establish the automatic routing of incoming calls to a specific private facility which is terminated in that Primary Station user's system. As used herein, the term "private facility" applies to CCSA, WATS, and Tie Lines arranged for senderized (the ability to receive digits, convert them, and then send out dial pulses, simultaneously) operation, and the local and toll message network.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

2. Station Features (cont'd)

Call Forwarding Over Private Facilities (cont'd)

Incoming local and toll message network and INWATS calls to primary stations arranged for Call Forwarding Over Private Facilities routing are subject to the appropriate charges for such calls and a common recorded announcement is furnished at no additional charge to inform the caller that the call is being forwarded.

Calls forwarded to the local and toll message network and WATS are subject to the appropriate charges for such calls.

Where the Call Forwarding Over Private Facilities optional service feature routes calls to a specific private facility which is denied access by activation by the Selected Customer Control of Facilities optional service arrangement, those calls will instead be routed to a common recorded announcement at no additional charge which refers the caller to the system's attendant.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

2. Station Features (cont'd)

Call Hold

Allows a user to place an established call on hold by depressing the switchhook and dialing a special code. The user can then make another call on the same line or return to a previously held call. The held call cannot be added to another call.

Call Park/Directed Call Park

Call Park and Directed Call Park are available only where Company facilities have been arranged for their provision and may be provided, subject to the availability of such facilities, to services which are furnished by the same such equipment.

Call Park allows a non-electronic telephone set user to park a call against its own directory number in the same customer group. Directed Call Park allows a non-electronic telephone set user to park a call against any directory number in the same customer group. The parked call can be retrieved from any line by dialing a feature code and the directory number against which the call is parked.

Call Pick-up

Allows a station user to answer a call directed to another Primary Station within its pre-set pick-up group. This is accomplished by dialing a special code while the called station is ringing. Station users on an existing call may use this feature by depressing the switchhook which places the first call on hold and returns dial tone to dial the special pick-up code.

Call Transfer-Individual-All Calls; Consultation Hold-All Calls; and Three-Way Calling

This is a basic feature which is furnished on each station within the Centrex. Station users may transfer, consult or establish a three-way call, while connected to another call, without the assistance of the attendant. This is accomplished by depressing the switchhook while on a two-party call, dialing the desired party, utilizing consultation while the first party is excluded; or depressing the switchhook to add-on the first party; or hanging up to initiate the transfer. One party on the final connection must be inside the Centrex.

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/1/ Material now appears on Original Sheet 14.1 in this Section.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

2. Station Features (cont'd)

Caller ID

Incoming numbers from outside the Centrex system are displayed on compatible Customer Provided Equipment. In addition, the date and time of the incoming call are displayed.

Free per Call Blocking Service is available for customers who are served from appropriately equipped central offices. Centrex Service customers may prevent delivery of their telephone numbers to Caller ID subscribers on a per call basis by activating the appropriate Caller ID activation code prior to placing the call.

Caller ID with Name

Provides the name associated with the calling party number, or an indication of anonymity or unavailability in lieu of the name, to the called party. Caller ID with Name is an optional feature to Caller ID. Caller ID with Name is not provided without Caller ID.

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/1/

/1/ Material formerly appeared on 1st Revised Sheet 14 in this Section.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

2. Station Features (cont'd)

Call Waiting

Provides tones to let a station user on a call know that a call is waiting. The existing call can be terminated or placed on hold so that the call can be answered. There are three types:

Call Waiting Terminating (CWT) allows a busy station to hear Call Waiting tones on incoming Direct Inward Dialing (DID) calls and on Common Control Switching Arrangement (CCSA) calls only.

Call Waiting All Calls (CWA) provides, in addition to the above for CWT, Call Waiting tones on incoming Station-to-Station, Tie Trunk and Attendant calls. When a Centrex system is programmed for CWA, the CWT is not available. This feature is also referred to as Call Waiting Intra-Group.

Call Waiting Originating (CWO) allows an originating station to send Call Waiting tones on any Station-to-Station call. This feature can be offered with either CWT or CWA.

Custom Calling Name on Centrex

Provides internal (employee) and external calling name display on lines subscribed to the feature. The customer must also subscribe to Caller ID. Custom Calling Name on Centrex is compatible with CVN and AWN. This feature is not available with ISDN.

The Centrex customer must establish and maintain a directory of all names and lines associated with the Centrex by accessing a Company website. The Company shall not be responsible for the accuracy of the customer directory or any name list that the customer uses for the Custom Calling Name service.

Each Centrex customer of record shall be limited to a maximum of three proprietary website user IDs, and the customer is responsible for protecting the security of the user ID numbers. The Company shall not be liable to the customer or any third party (including but not limited to any employee of the customer) for improper or incorrect designations when such designations are established with the customer's user ID.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

2. Station Features (cont'd)

Dial Call Waiting/Last Number Redial Package

Dial Call Waiting and Last Number Redial are available only where Company facilities have been arranged for their provision and may be provided, subject to the availability of such facilities, to services which are furnished by the same such equipment.

Dial Call Waiting permits a non-electronic telephone set user to impose call waiting on a busy line, within the same customer group, by dialing the dial call waiting feature activation code, followed by the called number. The called number is informed through a special burst of tone that a new call is waiting.

Last Number Redial enables a non-electronic telephone set user to redial the last called number by depressing a single key rather than dialing the entire number.

Direct Connect

Directly connects Primary Stations to a preassigned called number when the station user goes off-hook. Calls can be directed to stations, exchange numbers, Common Control Switching arrangement (CCSA) Trunks and miscellaneous trunks such as Tie Lines or Loudspeaker Paging. Stations with the Direct Connect Feature may receive calls normally.

Directed Call Pick-Up with Barge-In

Directed Call Pick-up With Barge-In is available only where Company facilities have been arranged for its provision and may be provided, subject to the availability of such facilities, to services which are furnished by the same such equipment.

Directed Call Pick-up With Barge-In allows a user to answer a call that is ringing any other line, within the same customer group, by dialing a feature code and the number of the ringing line. If the ringing line has been answered and is in the talking state, the instigating number may barge-in and be connected into a three-way call.

Directed Call Pick-up Nonbarge-In

Allows a station user to answer calls directed to stations in any pick-up group in the system. The user can pick up a call in the pick-up group by dialing an access code and the number of the station to be answered.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)****2. Station Features (cont'd)****Distinctive Ringing and Call Waiting Tone**

Permits Primary Station users to identify the source of incoming calls. These two classes identify:

<u>Class</u>	<u>Call Source</u>
A	Intercommunication
B	Direct Inward Dialed Local and Toll Attendant Completed CCSA Access Line Tie Line

Distinctive Ringing is furnished to indicate the source of calls to idle Primary Stations. Call Waiting tone is furnished to indicate the source of calls to busy Primary Stations equipped for Call Waiting Service.

A distinctive ringing/tone is furnished to each class and is used to identify all call sources within each class.

Class A ringing/tone is not furnished separately and is included at no additional charge to Primary Stations arranged for Class B ringing/tone.

Message Waiting Lamp

Provides an arrangement to allow visual indication that a message is waiting.

Message Waiting Tone

Provides an audible tone signal, e.g., stutter dial tone, on a Centrex line to indicate a message waiting condition.

Ring Again Enhanced

Ring Again Enhanced is available only where Company facilities have been arranged for its provision and may be provided, subject to the availability of such facilities, to services which are furnished by the same such equipment.

Ring Again Enhanced allows a non-electronic telephone set user who encounters busy signal, within the same customer group, to be notified when the called number becomes idle and to be placed automatically in a ring again mode.

1. ADVANCED CENTREX SERVICE (cont'd)

D. Features (cont'd)

2. Station Features (cont'd)

Simultaneous Ring One Number (SR-ON)

Causes one additional telephone number of the customer to ring simultaneously whenever the Centrex station number is dialed. The customer's Centrex station and the SR-ON telephone number must be served from the same central office switch.

SR-ON is only available where equipment, features and facilities are available. Other restrictions and limitations may apply.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

2. Station Features (cont'd)

Speed Calling - Changeable

Allows a Primary Station user to assign abbreviated codes to frequently called numbers (except Tandem Tie Trunk calls). The establishment of these codes permits dialing to the selected numbers using fewer digits than normally required. Customers can change numbers assigned to a list (a group of codes). Speed Calling lists are accessed by either one dialed digit or two dialed digits. Access to one digit lists can be provided on an individual basis with a maximum of six codes per list, while two digit lists can be provided both on an individual basis or shared on a group basis with a maximum of thirty codes per list.

Speed Calling Enhanced

Speed Calling Enhanced is available only where Company facilities have been arranged for its provision and may be provided, subject to the availability of such facilities, to services which are furnished by the same such equipment.

Speed Calling Enhanced allows an individual line or a group of users, within the same customer group, to place calls to a previously designated list providing either 50 or 70 frequently dialed numbers. This is achieved by dialing a speed calling code instead of dialing all digits of the desired number. The desired number may be a directory number, authorization code, account code, access code, or feature access code. When the list can be accessed by a group of users, one user is designated as the controller for adding to, changing, or deleting numbers from the list.

Station Hunting

Routes a call to an idle Primary Station in a prearranged group if the called station is busy, in the following optional sequences:

Circular starts with the called Primary Station and goes in the prearranged order to test each station in the group, completing the call to the first idle station. If the last station in the group is reached and is busy, the hunt loops back to the station in the group to continue testing for an idle station.

Regular operates the same as Circular, but ends with the last station in the group. The entire group is tested only if the first station in the group is called.

Station Toll Restriction

(T)

Toll Restricted: permits a station user to call within the local service area, but prevents toll calls and calls to the toll operator.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

3. ISDN Services

Services

Alternate Circuit Switched Voice/Circuit Switched Data Service

Provides the ability to originate and receive either Circuit Switched Voice or Circuit Switched Data calls over a single "B" channel, but not simultaneously.

The standard and optional capabilities and features are the same as those provided for Circuit Switched Voice and Circuit Switched Data.

Circuit Switched Data Service

Provides the ability to originate and receive circuit switched data calls over the 64 Kbps "B" channel. Data line speeds up to 64 Kbps are permitted.

Circuit Switched Voice Service

Provides the ability to originate and receive circuit switched voice calls over the 64 Kbps "B" channel.

Optional features available to Centrex lines are available to ISDN Centrex lines at applicable charges as shown elsewhere in this service offering.

Packet Switched Data "B" Channel Service^{/1}

Provides the ability to originate and receive X.25 packet switched data calls over the 64 Kbps "B" channel.

Packet Switched Data "D" Channel Service^{/1}

Provides the ability to originate and receive X.25 packet switched data calls over the 16 Kbps "D" channel.

/1/ Effective July 16, 2005, B- and D-channel packet switching as part of this service offering is grandfathered and no longer available to new customers. Existing customers may retain the service on an uninterrupted basis at their current location.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)****3. ISDN Services (cont'd)***Services (cont'd)*Primary Rate Interface (PRI) Connection

A PRI connection is an ISDN primary rate 1.544 Mbps termination. It is used to connect tie lines, private switched network access lines, and Interexchange Carrier (IXC) private communication service to an Advanced Centrex System. The termination is provided in base capacities of twenty-three 64 Kbps "B" channels and one 64 Kbps "D" channel (23B+ D). The "D" channel is used for out of band signaling and control of the "B" channels. Where technology permits, "D" channels can be shared by multiple PRI Connections for the same customer.

All 23 channels (24 where technology permits), or a subset thereof, may be used as stand-alone trunk groups. Each channel is capable of handling incoming or outgoing Circuit Switched Voice and/or Data calls. When used to connect to Interexchange Carriers (IXC), Call by Call capability is available. This capability allows the incoming and outgoing Circuit Switched Voice and Data calls to utilize "B" channels on an as needed basis.

A Backup "D" Channel Arrangement is available to provide backup signaling and control channel where multiple PRI Connections are controlled by a single "D" channel. Caller ID capability is provided with this connection.

Clear Channel capability is provided since all signaling and control functions are handled by the "D" channel. This allows all 64 Kbps on each "B" channel to be used for customer Clear (T) Channel capability is provided since all signaling and control functions are handled by the "D" channel. This allows all 64 Kbps on each "B" channel to be used for customer information over the PRI Connection. Calls may either be 56 Kbps or 64 Kbps depending on the network capabilities in place between the PRI Connection and the distant end on the call.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)****4. ISDN Features***Circuit Switched Data Service*Alternate Access

An arrangement that allows designation of an alternate host to be used to complete a call in the event the primary host is out of service.

Calling Display on Intercom Calls

Provides the calling number to the called number on intercom calls.

Call Diverting

An arrangement that provides for the capability to allow selected lines to complete specified types of outgoing calls or deny the completion of specified types of incoming calls. The feature provides the following:

Fully Restricted - intercom only calls

Semi Restricted - intercom and local calls

Unrestricted - intercom, local and toll calls

Denied Origination - prohibits call originations from designated Centrex numbers

Denied Termination - prohibits call completion to designated Centrex numbers

Far End Disconnect Supervision

Provides automatic disconnect of one end of a data connection when the other end disconnects.

Hunt Group for Shared Data Access

Provides for the automatic search of a group of shared ports to find an available port in response to a connection request.

1. ADVANCED CENTREX SERVICE (cont'd)

D. Features (cont'd)

4. ISDN Features (cont'd)

Circuit Switched Data Service (cont'd)

Intercom Calling

Allows communication between lines in the same business system.

Queuing

Provides queuing for calls made to a busy hunt group.

Speed Calling

Allows the user to dial a preassigned number by dialing one or two digits.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

4. ISDN Features (cont'd)

"B" and "D" Channel Packet Switched Data Service^{/1}

Call Diverting

Provides the ability to prohibit call originations or call termination.

Closed User Groups (CUG) - Individual Design

A Closed User Group limits communications to members within the group. The CUG allows its members to transmit and receive calls, service type permitting, to add other members within the CUG. The initial design and ten memberships are included in the basic group rate. The X.25 network interface provides access to several X.25 CUG facilities, allowing the user to build private sub-networks using the resources of the public network. An individual DTE may be a member of up to 50 CUGs.

A DTE may also specify on a subscription basis which of the CUGs is the preferential CUG. The preferential CUG is assumed when no CUG is specified by the user during virtual call setup. There are two main options available: Group Design and Member Design.

Group Design Options:

Incoming Calls Barred within CUGs permits the subscribed terminals to originate virtual calls to terminals having the same CUG, but precludes the reception of incoming calls from DTEs in the CUG.

Outgoing Calls Barred within CUGs permits the subscribed terminals to receive virtual calls from terminals having the same CUG, but prevents the terminals from originating virtual calls to terminals in the same CUG.

International CUG allows for inter-network CUGs using international interlock codes across the gateway.

/1/ Effective July 16, 2005, B- and D-channel packet switching as part of this service offering is grandfathered and no longer available to new customers. Existing customers may retain the service on an uninterrupted basis at their current location.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

4. ISDN Features (cont'd)

"B" and "D" Channel Packet Switched Data Service^{/1} (cont'd)

Closed User Groups (CUG) - Individual Design (cont'd)

Member Design Options:

CUG members can be designed with CUG incoming access, CUG outgoing access, CUG with Incoming Selection, and Outgoing Selection to individual members within a CUG. The options available to a member are described below under *Closed User Group - Additional Member*.

Closed User Group - Additional Member

Provides memberships for additional CUG members beyond the initial 10 included in the initial design. Available options allowing group members to restrict communications include the following:

CUG Incoming Access enables terminals belonging to CUGs to receive incoming calls from terminals in the open part of the network and from terminals belonging to other CUGs with the outgoing access capability.

CUG Outgoing Access enables terminals belonging to CUGs to make outgoing calls to the open part of the network and to terminals in other CUGs having the incoming capabilities.

CUG with Incoming Selection may be used on a per-virtual call basis to specify the CUG selected for a virtual call.

CUG with Outgoing Selection may be used on a per-virtual call basis to specify the CUG selected for a virtual call and to permit outgoing access.

/1/ Effective July 16, 2005, B- and D-channel packet switching as part of this service offering is grandfathered and no longer available to new customers. Existing customers may retain the service on an uninterrupted basis at their current location.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

4. ISDN Features (cont'd)

"B" and "D" Channel Packet Switched Data Service^{/1} (cont'd)

Default Throughput Class Assignment

Allows the selection of the default throughput class of 75 Bps, 150 Bps, 300 Bps, 1200 Bps, 4800 Bps, 9600 Bps, 48 Kbps/56 Kbps which will be equivalent to the user's line speed or less. This default value applies to all virtual calls and permanent virtual circuits at the data interface which do not perform per call throughput class negotiations.

Fast Select

Allows for call setup, transmission of data and call clearing in a single exchange of packets. Each packet may contain up to 128 octets in addition to the call setup information.

Fast Select Acceptance

Permits Network Termination Number to receive Fast Select.

Flow Control Parameter Negotiation

Permits negotiation on a per-call basis, of the flow control parameters (packet size and window size of 1 to 7 for each direction of data transfer). This facility applies only to switched virtual calls.

Hunt Group

Allows incoming calls to a busy Packet Switched Data "D" or "B" Service to be redirected to a predetermined number(s) to search for an idle service on which to complete the call.

Intercom Calling

Provides the ability for communication between Packet Data Users in the same business system.

/1/ Effective July 16, 2005, B- and D-channel packet switching as part of this service offering is grandfathered and no longer available to new customers. Existing customers may retain the service on an uninterrupted basis at their current location.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

4. ISDN Features (cont'd)

"B" and "D" Channel Packet Switched Data Service^{/1} (cont'd)

Logical Channels

B-Packet (each, up to 32 standard, greater than 32 optional)
D-Packet (each, up to 8 standard, greater than 8 optional)

Enables more than one call to be set up on a single Packet Switched Data "B" or "D" channel service. More than one logical channel can be provided per single facility to allow two or more simultaneous calls to take place. These logical channels can be arranged as one way incoming, one way out-going, or two way.

Non Standard Default Flow Control Parameters

Allows the selection of a default packet size and window size instead of a standard default packet/window size. The default value applies to all permanent virtual circuits and those virtual calls at the DTE/DCE interface which do not perform per-call flow control parameter (packet/window size) negotiation.

Standard Channel Parameter Arrangement

(B-Packet Arrangement)
(D-Packet Arrangement)

A pre-provisioned setting of packet parameters have been defined as typical user defaults for ISDN "B" and "D" Channel packet access.

Permanent Virtual Circuit

Establishes a logical channel between two Packet Switched Data Services, and both remain indefinitely in the data transfer phase.

/1/ Effective July 16, 2005, B- and D-channel packet switching as part of this service offering is grandfathered and no longer available to new customers. Existing customers may retain the service on an uninterrupted basis at their current location.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

4. ISDN Features (cont'd)

"B" and "D" Channel Packet Switched Data Service^{/1} (cont'd)

Recognized Private Operating Agency Selection

Allows a user, on a per-call basis, to specify an Inter-Exchange Carrier or transit network for inter-network calls.

Reverse Charging

Allows the usage charges to be billed to the terminating packet number on a per call basis.

Reverse Charging Acceptance

Authorizes the terminating packet number to accept usage billing from the originating packet number. The terminating number must be equipped with reverse charging.

Throughput Class Negotiation

Permits negotiation on a per call basis of the throughput class for each direction of data transfer associated with a virtual call. The network will allow a DTE to request a throughput class of 75 Bps, 150 Bps, 300 Bps, 600 Bps, 1200 Bps, 2400 Bps, 4800 Bps, 9600 Bps, 19.2 Kbps, 48 Kbps/56 Kbps (up to the user's line speed). If the requested throughput is not one of the specified values, the calls will be cleared.

Transit Delay Selection and Indication

Allows the user, on a per-call basis, to select and indicate the desired transit delay in the call request packet.

/1/ Effective July 16, 2005, B- and D-channel packet switching as part of this service offering is grandfathered and no longer available to new customers. Existing customers may retain the service on an uninterrupted basis at their current location.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

5. System Features

Attendant Camp-On

An incoming Listed Directory Number, Common Control Switching Arrangement (CCSA), Inward Wide Area Telecommunication Service (INWATS), Tie Trunk, or Foreign Exchange (FX) Trunk attendant call, which the attendant attempts to complete to a busy station, is held waiting until the called station becomes available. The busy station receives indication by an audible burst of tone that an incoming call is camped-on.

Attendant Console Feature Package

Attendant Console Feature Package is available only where Company facilities have been arranged for its provision and may be provided, subject to the availability of such facilities, to services which are furnished by the same such equipment.

Attendant Console Feature Package provides an arrangement that permits an array of attendant features on compatible customer-provided attendant console equipment.

Authorization Codes

Provides the customer with the ability to control access to network facilities on a per user basis.

Automatic Identification of Outward Dialing (AIOD)

Provides identification of individual Primary Station numbers on outgoing Message Toll Service (MTS).

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)****5. System Features (cont'd)****Automatic Route Selection-Basic (ARS-B)**

Provides automatic routing of outgoing dialed calls to Foreign Exchange (FX), Wide Area Telecommunication Service (WATS), Common Control Switching Arrangement (CCSA) Off-Net, Other Common Carrier (OCC) Access Terminals compatible with ARS-B, and the Message Toll Service (MTS) Network facilities.

Automatic Route Selection-Basic is accessed by dialing a code which automatically selects the appropriate route to complete the call. If all facilities in the initial route selected are busy, the call will advance to other routes.

Charges per facility apply regardless of the number of patterns having access to that facility. The monthly price specified is applicable to each facility available to the patterns. Patterns may be arranged for a maximum of four (4) routes with final route being either to the Message Toll Service (MTS) Network or to Overflow Tone.

Patterns without final route to the MTS Network may be offered only if a customer subscribes to a sufficient number of facilities which, in the judgment of the Company, provide an adequate level of service.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

5. System Features (cont'd)

Automatic Route Selection-Basic (ARS-B) (cont'd)

Other Common Carrier Access (OCC) Terminals will be connected to an ARS-B arrangement under the following conditions:

- The patron for the OCC Access Terminal is the Company's customer for the ARS-B arrangement.
- The OCC Access Terminal shall be arranged to utilize senderized operation, and have a dialing pattern consistent with that used on the MTS Network.
- The connection of OCC Access Terminals to the Company's ARS-B does not constitute a joint through service and is not part of a joint undertaking with the Other Common Carrier.
- The termination of OCC Access Terminals shall be at and charges as specified in this Section for Other Common Carrier Access, and are in addition to the charges for ARS-B.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)****5. System Features (cont'd)****Call Detail Recording System (CDRS)**

Provides access to a data stream of call detail from a Company host computer. Detail is available on traffic over Wide Area Telecommunication Service, (WATS), Foreign Exchange (FX), Common Control Switching Arrangement (CCSA), Tie Line, 800 Service, Other Common Carrier and Message Toll Services Network (MTS) facilities. Detail on Other Common Carriers will be provided if facilities permit. Where FX, and tie line facilities are involved, all call attempts, whether completed or not, will appear on the CDRS. The CDRS record detail includes: calling station, called number, date, time of day, call duration and type of facility.

The call detail is designed to be available within 72 hours (3 working days) after the call is placed. In most Central Offices, however, the detail will be available 24 to 48 hours after the calls are placed. The information is held in a "current record" file for a minimum of 72 hours (3 working days). In case of errors in transmission, the data is also held in a "stored record" file for an additional 72 hours (3 working days).

CDRS is not represented to be a provision of billing detail. Due to differences in reporting periods, the CDRS records may not coincide with the customer's actual billing record. Where FX and tie line facilities are involved, all call attempts after seizing the trunk, whether completed or not, will appear on the CDRS call record.

The customers' transmission options include: 1200 bps async, 4800 bps async or 4800 bps sync. The customer is responsible for providing the necessary hardware for the service. An alternative access arrangement utilizing File Transfer Protocol (FTP) may be used.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

5. System Features (cont'd)

Centrex Mate

The Centrex Mate feature allows a Centrex customer to make changes in the station line and/or feature configuration of the Centrex System as an alternative to the standard Company service order process. Centrex Mate allows the customer to manage feature assignments per line, exchange station numbers between like station lines, verify the assignment of features on an individual station line or bulk basis, sort for stations that have particular features, and to obtain internal directory information for stations in the Centrex Mate database. Centrex Mate is offered subject to availability of facilities and compatibility of the serving central office.

The customer is responsible for any charges incurred to access the Centrex Mate system.

Centrex Mate customers may elect to continue to use standard service order procedures at any time and the service will be implemented by the Company at the prevailing charges and service intervals as specified elsewhere.

Customers may elect to have a third party other than the customer implement and manage their systems for them. If this option is elected, the customer assumes responsibility for all changes executed by its authorized agent.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

5. System Features (cont'd)

Centrex Mate (cont'd)

The Company reserves the right to withhold the service if it is determined to be incompatible with existing Switching Systems. Also, some functions of the central office switching system will have priority over execution of customer change requests. The Company assumes no responsibility for change requests delayed by priority central office functions.

Not all features and capabilities are included in Centrex Mate. A service order will be required to rearrange some items. These include but are not limited to:

- swaps of off-premises lines in different wire centers;
- lines not included in Centrex Mate such as attendant lines,
- multi-line hunt lines, and lines with special equipment.

On those stations with the Centrex Mate feature, the customer's Service Records will no longer show complete station detail.

To re-establish the customer's Service Record to show complete station detail, a charge specified elsewhere will apply.

Responsibility of the Company

The Company will provide training to these customers who elect to utilize Centrex Mate themselves and decline to elect an authorized agent. Training will be provided by the Company at the time Centrex Mate is activated without charge. Subsequent training can be provided for the customer at an additional charge as specified elsewhere in this offering.

The Company will provide the customer or the designated authorized agent with the security password access codes for the customer's Centrex Mate System.

1. ADVANCED CENTREX SERVICE (cont'd)

D. Features (cont'd)

5. System Features (cont'd)

Centrex Mate (cont'd)

Responsibility of the Customer

The customer is responsible for the administration and protection of the Centrex Mate password and access code and will be responsible for any charges arising out of unauthorized use of the password. Customers electing an authorized agent to administer and manage their Centrex Systems shall be responsible for that agent's use and protection of the password and access codes.

The customer will designate at the time of installation whether it will manage its Centrex Mate system itself or through an authorized agent. If the authorized agent is selected, the customer will provide the Company with a signed and dated letter authorizing the agent to manage the Centrex Mate system on its behalf. The customer accepts responsibility for all changes made on its behalf by its agent.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

5. System Features (cont'd)

Centrex Message Signal Interface

Available only to stations within the customer's Centrex and only provides the central office interface and features necessary for the customer to use in conjunction with customer-provided equipment such as, but not limited to, voice message equipment.

The following elements comprise this service offering. While these elements are ordered from the Guidebook, the descriptions and prices for the elements are the same as those found in the (T) Federal Access Tariff (Ameritech Operating Companies F.C.C. No. 2 Tariff).

- Dedicated - Network Access Link (DNAL)
- Simplified Message Desk Interface (SMDI)^{/1}
- DNAL Termination 1200 or 9600 Baud Analog
- Remote Activation of Message Waiting^{/2}
- Call History Package Delivery

A customer currently under a Term Payment Plan may add all of the above elements on a coterminous basis to their existing contract at the specified price for a 36- or 60-month term. Customers currently under an 84-month TAP payment plan may add the service to their existing contract on a coterminous basis at the 60-month price.

/1/ For Voice Transport, Centrex Primary Stations at applicable charges apply. The usage charge as shown in the Guidebook does not apply.

(T)

/2/ Requires the Message Waiting Tone feature for each Centrex station requiring a message waiting tone. See Central Office Optional Line Features for applicable prices. A customer may add this feature on a coterminous basis with their TPP contract.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

5. System Features

Centrex Network Manager ^{/1/}

(C)

Centrex Network Manager is an integrated platform which provides customer access to the central office to obtain specific data and make changes in the switch. The platform provides the vehicle to deliver the services listed below. The platform allows customers to obtain call information, operational measurements and Map Pass Thru access across the network provided by the Company. CNM data is not indicative of billing data.

An alternative access arrangement utilizing File Transfer Protocol (FTP) may be used. This option is referred to as Virtual Access.

Centrex Network Manager is only available where facilities permit and Central Office capacity exists. The following capabilities are available with Centrex Network Manager:

Map Pass Thru provides the customer with access to the service order portion of the DMS 100 Servord. The customer may use this access to make changes to their existing Centrex stations using the DMS 100 Servord language. The customer can add, change and delete standard Advanced Centrex Service features. The changes take effect immediately.

Optional features for Map Pass Thru include:

- A database of centrex stations which can be used for generating presubscribed reports or ad hoc reports using Standard Query Language (SQL)

/1/ Effective January 30, 2009, Centrex Network Manager is no longer available for new installations. Existing customers may keep current arrangements in place until they move, but may not add any additional capabilities or features with Centrex Network Manager. (N)

|
(N)

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

5. System Features (cont'd)

Centrex Network Manager (cont'd) ^{/1/}

(C)

Operational Measurements provide reports that give customers the peg count and usage information for Trunk groups, Peak Trunk Groups, Virtual Facility Groups, Peak Virtual Facility Groups, Customer Group Usage, Subgroup and Attendant Console, Off Hook Call Back Queuing, Call Park and Integrated Business Network (IBN) Calls. The customer is provided with information (such as total call attempts, total failures and duration) that can be used to size and monitor their Centrex operation. The reports may be browsed on-line or spooled to a printer on demand or on a scheduled basis. The report information is stored for 7 calendar days after which time the data is overwritten. The number of concurrent Subscriber Line Usage Reports (SLU Reports) is limited based on switch capacity.

Optional features for Operational Measurements include:

- Subscriber Line Usage Reports provide information on an individual station
- Killer Trunk Reports provide the customer with a tool for analysis of their private network. The information flags potential calling failures that the customer's end users may be experiencing

SMDR-Premium provides information on calls originating from Advanced Centrex Service lines. The calling information, generated at the central office, is provided in a data stream format and is delivered to the customer's premise via a dedicated leased line or a dial up connection to the customer provided equipment. Customers can make their own requests for resending data. The calling information is not rated. The calling information is stored for 10 calendar days after which time the data is overwritten.

Optional features for SMDR-Premium include:

- The Company resending data for customers
- 30 or 45 days of storage
- Centrex Station-to-Station call information
- Centrex Group Intercom call information

Centrex Routed Number

This feature routes calls to a Centrex System telephone number to an answering point at the customer location. Centrex Routed Number includes the Centrex telephone number and the routing facility. Calls must be routed within the customer's common block.

/1/ Effective January 30, 2009, Centrex Network Manager is no longer available for new installations. (N)
Existing customers may keep current arrangements in place until they move, but may not add any additional capabilities or features with Centrex Network Manager. (N)

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)****5. System Features (cont'd)****Centrex Virtual Network (CVN)**

Centrex Virtual Network (CVN) extends intercom calling geographically within a LATA, providing virtual connectivity among all types of Centrex lines using the public network.

All lines in the Centrex system and at each premise location must be included in a customer's CVN. Multiple customers sharing Centrex Common Blocks cannot be part of a CVN. A minimum of 50 lines is required to establish CVN. CVN applies to only Company provided Centrex lines using the Company as their intraLATA toll usage provider. Systems exceeding 25,000 lines may require special construction charges.

All lines in the network must terminate at an authorized premise location of the Customer of Record. Authorized locations include branches, factories, plants, etc., of the Customer of Record, or a subsidiary of the Customer of Record. A network may not be shared among unaffiliated end users.

CVN requires a measurement of the customer's busy hour usage represented by CCS value. A CCS is defined as a measure of traffic usage expressed in Hundred Call Second Increments (where the Roman numeral C represents one hundred). One call which lasts 100 seconds constitutes one CCS. There are 36 CCS in one hour.

When CVN is provided through resale, all lines in each CVN network must terminate at an authorized premise location of the same end user customer of the reseller. All other terms and conditions as stated above including the requirement of a minimum of 50 lines per end user customer apply.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

5. System Features (cont'd)

Conference Arrangement

Allows an attendant or station user to initiate a six-way conference by dialing a conference access code, receiving dial tone, calling each conferee, and adding them by depressing the switchhook. Any Primary Station with Conference Arrangement may add parties up to the six conferee maximum.

Customer Dialed Account Recording (CDAR)

May be furnished only in conjunction with Call Detail Recording System (CDRS) and Station Message Detail Recording (SMDR). This feature permits a customer to add an account number which is used by the customer in cost allocations of the customer's billed services.

After obtaining dial tone, station users must dial a CDAR access code and account number that is to be associated with the call. When the last account number digit is dialed, the station receives a second dial tone to proceed with dialing any number. The capability to permit an attendant to generate an account number may be provided with Inward Wide Area Telecommunication Service (INWATS) or Foreign Exchange (FX) calls that the attendant extends to a station or Tie Line within the Centrex.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

5. System Features (cont'd)

Dial Plan for Advanced Solutions (DPAS)

Converts an abbreviated number to the 10-digit telephone number used for direct calls. DPAS allows a Centrex customer to use an abbreviated dialing plan for intraLATA calls:

- between Centrex systems' stations ("in-network"); and/or,
- from a Centrex station to an out-of-network number.

In-network numbers can be dialed and can dial back on an abbreviated basis. DPAS customers can dial out-of-network numbers on an abbreviated basis; however, the DPAS feature itself does not provide a means for an out-of-network number to dial back on an abbreviated basis. The total number of out-of-network numbers cannot exceed the sum of the number of Centrex stations in use when the DPAS feature was established plus the number of Centrex stations added to the system(s) at a later date. All stations in a Centrex System Dialing Plan must be equipped with the DPAS feature but not all Dialing Plans must be equipped with the DPAS feature. All in-network and out-of-network numbers must be assigned to the Customer of Record or a subsidiary of the Customer of Record.

Two dialing plan formats are available: Extension Dialing and Location Dialing.

The Extension Dialing Plan uses sequential digits from the seven digit telephone number (the "extension number") to identify an in-network or out-of-network number. Typically, the extension number is the last four digits of the telephone number. Each extension number in the dialing plan must be unique.

The Location Code Dialing Plan uses a leading digit (the "location code") plus an extension number to identify an in-network or out-of-network number. Location code(s) permit duplication of extension numbers.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

5. System Features (cont'd)

Dial Plan for Advanced Solutions (DPAS) (cont'd)

The customer can choose between two DPAS billing alternatives, the Basic Dial Plan option or the Deluxe Dial Plan option. Customers who choose the Basic Dial Plan option will be assessed normal usage charges for both in-network (inter-Centrex) and out-of-network messages. Customers who choose the Deluxe Dial Plan option will be charged a flat rate for both in-network (inter-Centrex) messages completed to locations in the same LATA and out-of-network messages completed to telephone numbers in the same Rate Center as the originating Centrex telephone number. If a Deluxe DPAS customer calls an out-of-network telephone number in a Rate Center that is different from that of the originating Centrex telephone number, the Company will assess normal usage charges.

The Company will charge a DPAS Change Charge and a Service Order Charge for modifications to the customer's DPAS feature. Neither a DPAS Change Charge nor a Service Order Charge will apply for changing an in-network number to an out-of-network number.

DPAS is only available where equipment, features, and facilities are available. DPAS may conflict with the following Centrex features: Automatic Callback, Automatic Recall, Repeat Dialing, Account Codes, Attendant Consoles, and ISDN Data Calls. Other restrictions and limitations may apply. No charges will apply for removing incompatible Centrex features.

1. ADVANCED CENTREX SERVICE (cont'd)

D. Features (cont'd)

5. System Features (cont'd)

Direct Inward/Outward Dialing (DID/DOD)

Allows an incoming call from the exchange network to reach a specific Primary Station without attendant assistance, and Primary Station access to the exchange network without attendant assistance.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

(D)

(D)

Large Conference

Large Conference is available only where Company facilities have been arranged for its provision and may be provided, subject to the availability of such facilities, to services which are furnished by the same such equipment.

Large Conference allows the capacity of conferencing to be extended to accommodate up to a maximum of thirty conferees in any combination of the following large conference arrangements:

Attendant allows an attendant to establish the conference call. To initiate the conference call, the attendant adds the source (person requesting the conference) and each conferee to the conference bridge(s). During the conference, any conferee can recall the attendant by flashing the switchhook or leave the conference by going on-hook.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

5. System Features (cont'd)

Large Conference (cont'd)

Meet-Me provides a number for conferees to dial at a specified time to hold a conference. At the specified conference time, all potential conferees dial the conference bridge number.

Line Controlled allows a user to establish a conference call without the assistance of an attendant. To establish the conference call, the originating user dials the conference code to access the conference bridge, then dials each potential conferee to add onto the conference call.

Preset Conference allows a line, a trunk, or an attendant console to establish a preset conference with up to 25 conferees. This is achieved by dialing a specific number which invokes a simultaneous ringing of the preselected conferees. The conferees are specified in advance through the use of a data table. The data table is indexed by the conference number.

Music On Hold

Provides a continuous broadcast of customer provided music to callers who are waiting for connection to a called party.

Night Service

Routes calls, usually directed to an attendant, to preselected Primary Stations within the system when the Attendant Consoles are unattended.

Open Interface

Enables Centrex customers to connect to a DS1 facility via a central office interface unit that eliminates the need for a multiplexing assembly and its associated termination equipment.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

5. System Features (cont'd)

Other Common Carrier (OCC) Access

Provides equipment (Access Line Terminal) in the Centrex serving Central Office to provide station users dial access to Other Common Carrier facilities.

Station Message Detail Recording (SMDR)^{/1/}

Provides a record of originating traffic completing over Foreign Exchange (FX), Wide Area Telecommunication Service (WATS), Common Control Switching Arrangements (CCSA) and the Message Toll Service (MTS) Network facilities. SMDR is not represented to be a provision of billing detail. Where FX facilities are involved, all call attempts, whether completed or not, will appear on the SMDR.

The SMDR record includes:

- identity of the originating station number or attendant console
- called number (on outgoing calls)
- starting time and duration of the call
- trunk group used
- account code (when Customer Dialed Account Recording is provided)

/1/ Effective December 18, 1998, this feature is no longer available to new Advanced Centrex Service customers or to existing customers expanding their current systems.

1. ADVANCED CENTREX SERVICE (cont'd)**D. Features (cont'd)**

5. System Features (cont'd)

Switched Services Network Access

Provides equipment (Access Line Terminal) in the Centrex serving Central Office to provide station users dial access to a Common Control Switching Arrangement (CCSA) of a switched interstate Private Line Network for incoming and outgoing calls.

Terminating Equipment

Provides equipment for each dial termination of a Tie Line or Type A Enhanced Private Switched Communication service line terminating in the Centrex serving Central Office.

Uniform Call Distribution (UCD)

Permits incoming calls over prearranged facilities to be evenly distributed among a group of selected stations. Calls are processed to the stations via a hunting pattern which starts at the next idle station in the hunting sequence following the last station to receive a call in the group.

Virtual Routing

Provides routing and call completion over 24 software defined access paths (virtual/simulated facility group) for ValueLink Premier intraLATA toll service.

1. ADVANCED CENTREX SERVICE (cont'd)**E. Technical References**

An ISDN Centrex line will be provided based on the technical limitations provided in the Company's ISDN Interface Specification.

Valid configurations of services are listed in the Company's ISDN Interface Specification and customer-provided equipment used to interface with ISDN Centrex lines is required to conform with the specifications.

<u>Subject</u>	<u>Technical Reference</u>
Ameritech ISDN Interface Specification	AM TR-NIS-000068

The Technical Reference can be obtained from:

APEx Support Team
(734) 523-7348

1. ADVANCED CENTREX SERVICE (cont'd)**F. Prices**

The charges applicable to Advanced Centrex Service are specified below. Charges for associated services and equipment are specified elsewhere in this Guidebook and include, but are not limited to the following:

- Service Charges
- Foreign Central Office Service (where the customer's main location is outside the serving Central Office area)
- Suburban Service Zone Charges (where the customer's premises are outside the base rate area)
- Extension Service Charges
- Electronic Switching System (ESS) Optional Features
- Electronic Tandem Switching (ETS) Features

(D)

Prices are applicable to standard installations of Advanced Centrex Service. The total charge per Primary Station is the appropriate Exchange Access and Intercommunication charges.

The customer is responsible for the monthly charges associated with the number of Primary and Intercom Only Stations in the initial contract until such time as the customer elects to add stations coterminously. At that time those new stations become part of the initial contract and therefore the minimum monthly charge responsibility will increase to the new total of Primary and Intercom Only Stations.

The Primary and Intercom Only Station Intercommunication charge that will apply for additional stations will be the Month-to-Month price in effect or the contract price for the customers initial Primary and Intercom Only Stations. If the customer adds Primary or Intercom Only Stations which result in a different Cell Size, in order to be eligible for the new price for that Cell Size the customer will have to enter a new contract for the new Cell Size which is equal to or greater than the existing contract.

(D)

1. ADVANCED CENTREX SERVICE (cont'd)**F. Prices (cont'd)**

Nonrecurring charges specified on a per Primary Station equipped basis are applicable only when a feature is added subsequent to the initial installation of a Primary or Intercom Only Station for the following Station Features:

Automatic Callback
Direct Connect Feature
Distinctive Ringing and Call Waiting Tone

The subsequent change charge for activation of Optional Station Features is applicable when the feature is activated after the initial installation for the following station features:

Call Forwarding - Variable
Call Forwarding - Don't Answer
Call Hold
Call Pick-up
Call Waiting Feature
Caller ID with Name
Directed Call Pick-up Nonbarge-In
Speed Calling - Changeable
Station Toll Restriction

End User Common Line Charge Adjustment

(T)

In order to follow the Ameritech Operating Companies F.C.C. Tariff No. 2, Section 4 for Centrex End User Common Line charges and to achieve the impact which trunk equivalency produces, an adjustment for Centrex Stations will be applied to Centrex customers' intrastate bills. The applicable basis for the adjustment is the Multiline Business Subscribers rate or Centrex CO rate (applies to lines in service or on order prior to July 27, 1983) as shown in the Ameritech F.C.C. Tariff No. 2, Section 4.

(T)

(T)

In addition, there will be an End User Common Line Charge Adjustment to the Centrex customer's intrastate bill for Intercom Only Stations because these stations do not have access to the exchange network and would not require any trunk capacity if they had been served by a PBX System.

(T)

(T)

End User Charge Common Line Adjustments do not apply for Centrex Trunk Station End User Common Line charges.

(N)

(N)

1. ADVANCED CENTREX SERVICE (cont'd)**F. Prices (cont'd)**

1. Service Elements

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<i>Term Payment Plans</i>				<u>(C)</u>		
		<u>1 Month</u>	<u>36 Months</u>	<u>60^{3/} Months</u>	<u>84^{3/} Months</u>			
Initial Service								
Establishment - System Charge								
- each system								
25 Primary or Intercom Only Stations and under	\$910.00	-	-	-	-			
26 Primary or Intercom Only Stations and over	1,930.00	-	-	-	-			
Common Equipment /CKC/		\$30.00	\$27.50	\$25.00	\$23.00			

Exchange Access

The Centrex Trunk Station^{/1/} Exchange Access prices shown below apply in cases where the customer's premises are within the base rate area and in the serving Central Office area.

Where the customer's main location is outside the serving Central Office area, additional monthly charges apply for Foreign Central Office Service as found in this Guidebook.

Where the customer's premises are outside the base rate area, Monthly Zone Charges^{/2/} apply for each line required between the customer's premises and the Company's Central Office,

In addition, End User Common Line (EUCL) charges, as filed in Section 4 of the Ameritech Operating Companies Tariff F.C.C. No. 2, shall apply.

/1/ As described in 1.C.8. preceding.

/2/ Apply a factor of .204 to the Suburban One Party Business Service rate in Part 4, Section 2 of the Guidebook.

/3/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. (N) Centrex customers currently on a 60 month or 84 month TPP term period may continue service at (C) their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply. (N)

1. ADVANCED CENTREX SERVICE (cont'd)**F. Prices (cont'd)**

1. Service Elements (cont'd)

Exchange Access (cont'd)

The Exchange Access prices that apply for Centrex Trunk Stations are as follows:

<u>Description</u>	<u>Exchange Rate Classifications</u>			(N)
	<u>1</u>	<u>2</u>	<u>L</u>	
Centrex Trunk Station/SXMFA/	\$31.93	\$37.75	\$37.75	\$37.75

The Centrex Station prices shown below apply in cases where the customer's premises are within the base rate area and in the serving Central Office area.

Where the customer's main location is outside the serving Central Office area, additional monthly charges apply for Foreign Central Office Service as found in this Guidebook.

Where the customer's premises are outside the base rate area, Monthly Zone Charges^{/1} apply for each line required between the customer's premises and the Company's Central Office. For Station Sizes 55+, the Monthly Zone Charges are applied on a channel equivalency basis. For Station Sizes 1-54, the Monthly Zone Charges are applied per station.

In addition, End User Common Line (EUCL) charges, as filed in Section 4 of the Ameritech Operating Companies Tariff F.C.C. No. 2, shall apply.

The Exchange Access prices that apply for Centrex Stations are as follows:

Station Cell Sizes 1 to 54 See Sheet 54 of this Section

Station Cell Sizes 55+ The following prices will be applied per equivalent channel. See Sheet 53 of this Section for the channel equivalency table.

<u>Description</u>	<u>Exchange Rate Classifications</u>			(T)
	<u>1</u>	<u>2</u>	<u>L</u>	
Centrex Station/SXP++/	\$31.93(R)	\$37.75	\$37.75	\$37.75

/1/ Apply a factor of .204 to the Suburban One Party Business Service rate in Part 4, Section 2 of the Guidebook.

/2/ Material formerly appeared on 1st Revised Sheet 54 in this Section.

1. ADVANCED CENTREX SERVICE (cont'd)**F. Prices (cont'd)**

1. Service Elements (cont'd)

Exchange Access (cont'd)CHANNEL EQUIVALENCY TABLE

<u>Station Cell Size</u>	<u>Equivalent Channels</u>
1 – 15	/1/
16 – 21	/1/
22 – 28	/1/
29 – 36	/1/
37 – 45	/1/
46 – 54	/1/
55 – 64	9
65 – 75	10
76 – 86	11
87 – 98	12
99 – 111	13
112 – 125	14
126 – 139	15
140 – 155	16
156 – 171	17
172 – 189	18
190 – 207	19
208 – 225	20
226 – 243	21
244 – 262	22
263 – 281	23
282 – 300	24

Each additional 15 stations (or fraction thereof) over 300 requires one additional channel.

/1/ The exchange access price is applied on a per primary station basis for station cell sizes 1-54. See Sheet 54 of this Section for the applicable prices.

1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

Exchange Access (cont'd)

/1/

The following prices will be applied on a per Primary Station basis, for station cell sizes 1-54.

<u>Description /Billing Code/</u>	<u>Monthly Price</u>
Exchange Rate Classification	
- Per Primary Station	
1	\$ 6.95
2	8.20
L	9.40
3	10.50

/1/ Material now appears on 2nd Revised Sheet 52 in this Section.

1. ADVANCED CENTREX SERVICE (cont'd)**F. Prices (cont'd)**

1. Service Elements (cont'd)

<u>Station</u>	<u>Cell Size</u>	<u>Nonrecurring Charge</u>	<u>Monthly</u>	<u>12 Months</u>	<i>Monthly Payment Term Payment Plans</i>							
					<u>24 Months</u>	<u>36 Months</u>	<u>60^{1/} Months</u>	<u>84^{1/} Months</u>				
Intercommunications												
Number of stations/ Billing Code:												
11-20	/NRSX1	\$34.00	\$393.00 (I)	\$25.00	\$22.00	\$14.50	\$13.50	\$13.00				
21-100	/NRSX2	34.00	390.00	23.50	21.00	13.00	12.00	11.50				
101-250	/NRSX3	34.00	387.00	23.00	20.00	12.50	11.50	11.00				
251-1000	/NRSX4	34.00	385.00	22.50	19.50	12.00	11.00	10.50				
1001+	/NRSX5	34.00	384.00 (I)	21.75	18.75	11.25	10.25	9.75				

/1/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<u>Monthly</u>	<u>Monthly Payment Term Payment Plans</u>			<u>(C)</u>
			<u>36 Months</u>	<u>60^{3/} Months</u>	<u>84^{3/} Months</u>	
Intercom Only Stations^{/1/}						
- each Station location /RX5/, /RUV/, RX6/, /RVW/	\$5.00	\$5.00	\$4.00	\$3.50	\$3.00	
Attendant Access Loop						
- each /EAR/	/2/	/2/	/2/	/2/	/2/	

/1/ In addition to the charges shown, the Primary Station Intercommunication Charges always apply. Except for Exchange Access, all other prices for Primary Stations apply equally to Intercom Only Stations.

/2/ Apply same charges specified for Primary Stations: Exchange Access and Intercommunication.

/3/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

(N)
(N)
(C)

1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	Monthly Payment Term Payment Plans				<u>(C)</u>
		<u>1 Month</u>	<u>36 Months</u>	<u>60^{3/} Months</u>	<u>84^{3/} Months</u>	
ISDN Centrex - Custom^{/1/}						
- per line /N2Q/	\$50.00	\$20.50	\$15.50	\$14.50	\$13.50	
ISDN Centrex - National^{/1/}						
- per line /P2B/	50.00	20.50	15.50	14.50	13.50	
Alternate Circuit Switched Voice/ Circuit Switched Data Services^{/2/}						
- per "B" channel equipped /BSB1X/	25.00	10.50	10.00	9.50	9.00	

/1/ Exchange Access and End User Common Line charges are applicable. See Other Applicable Charges and Payments.

/2/ In addition, Exchange Access rates apply per equivalent channel. ISDN Data Usage also applies for calls outside the Centrex. See Part 4, Section 2. Effective August 11, 1997, no new subscribers of ISDN Services who subscribe to Circuit Switched Data capability will incur this charge when calling outside the Centrex. Voice Usage will be applicable to all new ISDN Services having Circuit Switched capability.

/3/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply. (N) (N) (C)

1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	Monthly Payment <i>Term Payment Plans</i>				<u>(C)</u>
		<u>1 Month</u>	<u>36 Months</u>	<u>60^{5/} Months</u>	<u>84^{5/} Months</u>	
Circuit Switched Data Service^{(1)/(2)}						
- per "B" channel equipped /BSB6X/	\$20.00	\$9.00	\$8.50	\$8.00	\$7.50	
Circuit Switched Voice Service⁽¹⁾						
- per "B" Channel equipped /BSB5X/	25.00	4.70	4.50	4.30	4.15	
Packet Switched Data "B" Channel Service^{(3)/(4)}						
- per "B" channel equipped /BSB3X/	100.00	87.00	82.00	77.00	72.00	

⁽¹⁾/ In addition, Exchange Access rates apply per equivalent channel.

⁽²⁾/ In addition, ISDN Data Usage applies for calls outside the Centrex. See Part 4 Section 2. Effective August 11, 1997, no new subscribers of ISDN Services who subscribe to Circuit Switched Data capability will incur this charge when calling outside the Centrex. Voice usage will be applicable for all new ISDN services having Circuit Switched capability.

⁽³⁾/ In addition, Packet Switch Network Usage applies for calls outside the Centrex. See Part 20, Section 6.

⁽⁴⁾/ Effective July 16, 2005, B- and D-channel packet switching as part of this service offering is grandfathered and no longer available to new customers. Existing customers may retain the service on an uninterrupted basis at their current location.

⁽⁵⁾/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply. (N) (N) (C)

1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<u>Monthly</u>	<u>Monthly Payment Term Payment Plans</u>			<u>(C)</u>			
			<u>36 Months</u>	<u>60^{4/} Months</u>	<u>84^{4/} Months</u>				
Packet Switched Data "D" Channel Service^{1/3/}									
- per "D" channel service enabled /LTQ4X/									
	\$20.00	\$7.50	\$6.50	\$6.00	\$5.50				
PRI Connection^{2/}									
- each /DUG1X/	2,000.00	450.00	440.00	430.00	420.00				
- "D" channel backup, each /ZPBXD/	200.00	120.00	115.00	110.00	105.00				

/1/ In addition, Packet Switch Network Usage applies for calls outside the Centrex. See Part 20, Section 6.

/2/ Effective June 21, 2002, 84-Month Term Payment Plans will no longer be available for PRI Connection Service. Current ISDN PRI Connection 84-month customers may continue to retain their existing service as is at their current address until the 84-month contract term expires. Any customer requested changes to the existing Service will require the customer to select a new contract term payment plan or the month-to-month option at the then current tariff rates. The Company will not impose termination liability to those customers required to make a contract term change. Upon completion of the 84-month TPP term, customers may continue receiving the Service at the then-current rates under any available payment plan. If the customer does not select a new payment plan and does not request discontinuance of the Service, the month-to-month tariff rates in effect at such time will automatically apply.

/3/ Effective July 16, 2005, B- and D-channel packet switching as part of this service offering is grandfathered and no longer available to new customers. Existing customers may retain the service on an uninterrupted basis at their current location.

/4/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<u>Monthly Price</u>
<u>Optional ISDN Data Features</u>		
Alternate Access^{/1/}		
- per channel /NZ2/	\$ 5.00	\$ 3.00
Queuing		
- per queue slot /QHQ/	5.00	3.00
<u>Optional ISDN Packet Switched Data Features</u>		
Closed User Group^{/3/}		
- Individual design ^{/2/} , each /GXM/	25.00	20.00
- Additional member, each /GXW/	10.00	1.00
Hunt Group^{/1/3/}		
- each /HTKPG/	10.00	5.00
Logical Channel^{/3/}		
- "B" Channel (greater than 32), each /NW9AL/	10.00	1.00
- "D" Channel (greater than 8), each /HW9AL/	10.00	1.00
Permanent Virtual Circuit^{/3/}		
- each /GXP/	10.00	10.00

/1/ Re-apply Nonrecurring Charge for subsequent changes.

/2/ Includes up to 10 intragroup members. Apply *Subsequent Change Charge* for *Circuit Switched Data* when adding number(s) after the initial installation up to the 10 members, per occasion.

/3/ Effective July 16, 2005, B- and D-channel packet switching as part of this service offering is grandfathered and no longer available to new customers. Existing customers may retain the service on an uninterrupted basis at their current location.

1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<u>Monthly</u>	<u>Monthly Payment Term Payment Plans</u>			<u>(C)</u>			
			<u>36 Months</u>	<u>60^{2/} Months</u>	<u>84^{2/} Months</u>				
<u>Station Features</u>									
Automatic Callback									
- Initial Service Establishment	\$400.00	-	-	-	-	-			
- Common Equipment, per system /ACY/	70.00	\$6.00	\$5.50	\$5.00	\$4.50				
- per Primary Station equipped /SAK/	2.70	1.20	1.10	1.00	.90				
Call Forwarding Busy/Don't Answer - Internal/External Split^{1/}									
- per station Busy /F4S/	5.50	.40	.35	.30	.25				
Don't Answer /F3S/	5.50	.40	.35	.30	.25				
Call Forwarding Over Private Facilities									
- Initial Service Establishment	400.00	-	-	-	-	-			
- Common Equipment, per system /EAY/	41.00	214.00	-	-	-				
- Per Primary Station equipped /EAP/	1.40	7.50	-	-	-				

^{1/} When the *Busy/Don't Answer* features are installed on the same station at the same time, only one nonrecurring charge applies.

^{2/} Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<u>Monthly</u>	<i>Term Payment Plans</i>			<u>(C)</u>			
			<u>36 Months</u>	<u>60^{2/} Months</u>	<u>84^{2/} Months</u>				
<u>Station Features</u>									
(cont'd)									
Call Park/Directed									
Call Park									
- per line equipped /CP9/	\$4.25	\$.35	\$.20	\$.15	\$.10				
Caller ID									
- per Channel Equivalent /ZC1ND/		7.50	7.50	7.50	7.50				
Caller ID with Name									
- per station /NMP/ (See Reference Section- Caller ID with Name)		-	-	-	-				
Custom Calling Name on Centrex									
- per line /NHE// ^{1/}	5.00	3.50	3.50	3.50	3.50				

/1/ This feature is not available with ISDN.

/2/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

(N)
(N)
(C)

1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<u>Monthly</u>	<i>Term Payment Plans</i>			<u>(C)</u>			
			<u>36 Months</u>	<u>60^{1/} Months</u>	<u>84^{1/} Months</u>				
<u>Station Features (cont'd)</u>									
Dial Call Waiting/Last Number Redial Package									
- per line equipped /DWN/	\$6.00	\$.35	\$.20	\$.15	\$.10				
Direct Connect									
- per Primary Station equipped /ODC/	5.00	3.80	3.30	2.80	2.30				
Directed Call Pick-Up with Barge-In									
- per line equipped /DMA/	32.00	3.50	3.00	2.50	2.00				
Distinctive Ringing and Call Waiting Tone									
- Initial Service Establishment									
- Common Equipment	100.00	-	-	-	-				
Class B ringing/tone									
- per System /DRR/	7.80	6.00	5.50	5.00	4.50				
- per Primary Station equipped /BRT/	2.00	1.25	.90	.75	.60				

/1/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

(N)
(N)
(C)

1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<u>Monthly</u>	<u>Monthly Payment Term Payment Plans</u>			<u>(C)</u>			
			<u>36 Months</u>	<u>60^{1/} Months</u>	<u>84^{1/} Months</u>				
<u>Station Features (cont'd)</u>									
Message Waiting Lamp									
- per arrangement /AWT/		\$1.80	\$1.75	\$1.70	\$1.65				
Message Waiting Tone									
- per arrangement /ANZ/		.35	.30	.25	.20				
Ring Again Enhanced									
- per line equipped, per system /RGE/	\$4.25	.20	.15	.15	.15				
Simultaneous Ring One Number									
- per line equipped /S3S1X/	6.50	2.50	2.50	2.50	2.50				
Speed Calling Enhanced									
- per line equipped, per system	8.50	-	-	-	-				
- <i>50 Codes</i> per list /E58/ per line equipped /E5A/		8.00	6.50	6.00	5.00				
- <i>70 Codes</i> per list /E78/ per line equipped /E78AL/		1.40	.85	.50	.35				
		9.00	8.50	8.00	7.00				
		1.40	.85	.50	.35				

/1/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

(N)
(N)
(C)

1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<u>Monthly</u>	<u>Monthly Payment Term Payment Plans</u>			<u>(C)</u>			
			<u>36 Months</u>	<u>60^{2/} Months</u>	<u>84^{2/} Months</u>				
<u>System Features</u>									
Attendant Console Feature Package									
- per Attendant Console equipped ^{1/} /EDM/	\$1,100.00	\$100.00	\$85.00	\$80.00	\$75.00				
- Subsequent Changes, per feature changed	5.20	-	-	-	-				
Authorization Codes									
- per System /ANVPS/	50.00	4.00	3.25	2.50	1.75				
Automatic Route Selection-Basic (ARS-B)									
<i>Common Equipment</i>									
- per Customer Group (Access Code) /ART/	730.00	50.00	25.00	20.00	15.00				
<i>Route Selection Patterns</i>									
- per facility terminated in Patterns /AR5/	-	5.00	3.00	2.50	2.00				

/1/ In addition, three Attendant Access Loops (USOC EAR) are required.

/2/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

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1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<u>Monthly</u>	<u>Monthly Payment</u>			<u>(C)</u>			
			<u>36 Months</u>	<u>60^{1/} Months</u>	<u>84^{1/} Months</u>				
<u>System Features (cont'd)</u>									
Automatic Route Selection									
- Basic (ARS-B) (cont'd)									
<i>By NPA Code only, routing based on the first three digits dialed (three-digit routing)</i>									
- per NPA code with final route to Message Toll Telephone Service or Overflow Tone, per pattern, each /ARG/		\$340.00	\$10.00	\$7.00	\$6.00	\$5.00			
<i>By NPA Code and specific Central Office Codes within an NPA (Six-Digit Routing)</i>									
- per NPA Code with final route to Message Toll Telephone Service or Overflow Tone, per Pattern, each /ARK/		500.00	20.00	14.00	12.00	10.00			

/1/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

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1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<u>Monthly</u>	<u>Monthly Payment</u>			<u>(C)</u>			
			<u>36 Months</u>	<u>60^{2/} Months</u>	<u>84^{2/} Months</u>				
<u>System Features (cont'd)</u>									
Call Detail Recording System (CDRS)^{1/}									
- Common Equipment, per system									
11 to 250 stations /CRW1X/	\$450.00	\$85.00	\$65.00	\$57.00	\$50.00				
251 plus stations /CRW2X/	450.00	150.00	125.00	110.00	95.00				
per station, each /CRY/	-	.25	.25	.25	.25				

/1/ Additional charges under *Station Message Detail Recording* are applicable when Tie Trunks or Foreign Exchange trunks are terminated in a CDRS arrangement.

/2/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

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1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<u>Monthly</u>	<i>Term Payment Plans</i>			<u>(C)</u>			
			<u>36 Months</u>	<u>60^{2/} Months</u>	<u>84^{2/} Months</u>				
<u>System Features (cont'd)</u>									
Centrex Mate									
less than 499 stations /C2W// ^{1/}	\$750.00	-	-	-	-	-			
500 - 999 stations /C2W// ^{1/}	1,000.00	-	-	-	-	-			
1000+ stations/C2W// ^{1/}	1,500.00	-	-	-	-	-			
Re-establish Customer Service Record	650.00	-	-	-	-	-			
Centrex Mate Feature, - per Centrex Common Equipment /C2W/	-	\$450.00	\$160.00	\$150.00	\$140.00				
Centrex Message Signal Interface (see Reference Section)									

/1/ The above charge is based on total number of ACS lines served from each Centrex Common Block.

/2/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<u>Monthly Payment</u>			<u>Term Payment Plans</u>		<u>(C)</u>		
		<u>Monthly</u>	<u>36 Months</u>	<u>60^{2/} Months</u>	<u>84^{2/} Months</u>				
<u>System Features</u>									
Centrex Network Manager^{1/}									
Service Establishment Charge /SEPNM/	\$1,300.00		-	-	-	-			
Switch Connection, per switch /S9W/	400.00	\$275.00	\$150.00	\$150.00	\$150.00				
System Access, per concurrent user									
- Dedicated/Virtual Access/S9ALX/	325.00	75.00	65.00	50.00	40.00				
- Dial-Up/Dial-Out Connection /S9ADX/	150.00	125.00	110.00	100.00	90.00				
Map Pass Thru, per line /D6X/	2.00	3.00	2.25	2.00	2.00				
- Query database, per line /D5Q/	2.00	.30	.25	.25	.25				
Operational Measurements, per line /RUR/	-	.50	.10	.10	.10				
- Subscriber Line Usage Reports /ROS/	-	.10	.10	.10	.10				
- Killer Trunk Reports /RON/	-	.10	.05	.05	.05				

^{1/} Effective January 30, 2009, Centrex Network Manager is no longer available for new installations. Existing customers may keep current arrangements in place until they move, but may not add any additional capabilities or features with Centrex Network Manager.

^{2/} Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

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1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<u>Monthly</u>	<u>Monthly Payment</u>			<u>(C)</u>			
			<u>36 Months</u>	<u>60^{2/} Months</u>	<u>84^{2/} Months</u>				
<u>System Features (cont'd)</u>									
Centrex									
Network Manager (cont'd)^{1/}									
SMDR-Premium, per line /S6P/			\$.50	\$.20	\$.15	\$.10			
- The Company resends data, per occurrence /NR9NF/	\$250.00								
- Slower speed access (spooled leased line only) /SLP/	100.00	100.00	100.00	100.00	100.00				
- Storage, per line 30 days /RS5AX/		.20	.10	.10	.10				
45 days /RS5BX/		.30	.15	.15	.15				
- Station to station detail /D6D/		.10	.10	.10	.10				
Centrex									
Routed Number									
Route index establishment charge per route established	150.00								
Per telephone number routed		.25	.25	.25	.25				

^{1/} Effective January 30, 2009, Centrex Network Manager is no longer available for new installations. Existing customers may keep current arrangements in place until they move, but may not add any additional capabilities or features with Centrex Network Manager.

^{2/} Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

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1. ADVANCED CENTREX SERVICE (cont'd)**F. Prices (cont'd)**

1. Service Elements (cont'd)

System Features (cont'd)**Centrex Virtual Network (CVN)**

The following equation based on CCS and distance is used to determine the applicable monthly charge. The number of remote lines located 0 to 15 miles and 15 or more miles from the Hub location are used in the equation.

(Total remote lines within 0 to 15 miles)(\$CCS)/(Total remote lines in Network) + (Total remote lines beyond 15 miles)(\$CCS)/(Total remote lines in Network) + \$1.00 = Price per line per month (Rounded to the nearest multiple of \$.05)

CCS Values

<u>CCS</u>	0-15 <u>Miles</u>	15+ <u>Miles</u>
Max. 2.5	/X 16KFX/	\$2.20
Max. 3.5	/X 16KFX/	3.30
Max. 4.5	/X 16KFX/	4.40
Max. 5.5	/X 16KFX/	5.50
Max. 8.0	/X 16KFX/	7.70
		/X 16KFX/ \$ 5.40
		/X 16KFX/ 8.10
		/X 16KFX/ 10.80
		/X 16KFX/ 13.50
		/X 16KFX/ 18.90

The Company reserves the right to reassess the pricing of the customer's network if the negotiated CCS is exceeded.

Nonrecurring Charges and charges/prices for optional Out Of Network Numbers are found under the Area Wide Networking Service described elsewhere in this Guidebook. (T)

1. ADVANCED CENTREX SERVICE (cont'd)**F. Prices (cont'd)**

1. Service Elements (cont'd)

System Features (cont'd)**Centrex Virtual Network (CVN) (cont'd)**

The following discount table is used for networks over 1,500 lines and is based on the contract length of the hub location.

<u>LINE SIZE</u>	<u>3 Years</u>	<u>5 Years</u>	<u>7 Years</u>
1,500 – 3,999	10%	15%	20%
4,000 – 5,999	15%	20%	25%
6,000 – 7,999	20%	25%	30%
8,000 and above	25%	30%	35%

1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<u>Monthly</u>	<u>Monthly Payment Term Payment Plans</u>			<u>(C)</u>			
			<u>36 Months</u>	<u>60^{3/} Months</u>	<u>84^{3/} Months</u>				
<u>System Features (cont'd)</u>									
Conference Arrangement									
<i>Attendant and/or Station Dial Control</i>									
- per system /EAN/	\$70.00	\$112.00	\$102.00	\$93.00	\$84.00				
Customer Dialed Account Recording (CDAR)									
<i>furnished in conjunction with CDRS</i>									
per station, each /CRV// ^{1/}	400.00	.40	.40	.40	.40				
<i>furnished in conjunction with SMDR</i>									
per message, each /CMD// ^{2/}	400.00	.01	.01	.01	.01				

/1/ Nonrecurring charge is not applicable when feature is provided at same time as Common Equipment for Call Detail Recording System. Charges for CDAR (per station) are in addition to charges for CDRS.

/2/ Nonrecurring charge is not applicable when feature is provided at same time as Common Equipment for Station Message Detail Recording. Charges for CDAR (per message) are in addition to charges for SMDR.

/3/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply. (N) (N) (C)

1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<u>Monthly</u>	<i>Term Payment Plans</i>			<u>(C)</u>			
			<u>36 Months</u>	<u>60^{1/} Months</u>	<u>84^{1/} Months</u>				
<u>System Features (cont'd)</u>									
Dial Plan for Advanced Solutions(DPAS)									
Per DPAS Dial Plan established or Centrex Dial Plan or System added /SEPA3/	\$200.00		-	-	-				
Basic Dial Plan option, per Centrex Stn /D6PAB/	1.00	\$.50	-	-	-				
Deluxe Dial Plan option, per Centrex Stn /D6PAD/	1.00	1.75	-	-	-				

/1/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

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1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	Nonrecurring <u>Charge</u>	<u>Monthly</u>	Monthly Payment <i>Term Payment Plans</i>		
			<u>36</u> <u>Months</u>	<u>60^{1/}</u> <u>Months</u>	<u>84^{1/}</u> <u>Months</u>
<u>System Features (cont'd)</u>					

Large Conference

- Common Equipment, per system /EQ6PS/ 1,750.00

/1/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<u>Monthly</u>	Monthly Payment Term Payment Plans			<u>(C)</u>			
			<u>36 Months</u>	<u>60^{2/} Months</u>	<u>84^{2/} Months</u>				
<u>System Features (cont'd)</u>									
Music on Hold^{1/}									
- per system /MOHPS/	\$35.00	\$40.00	\$35.00	\$32.00	\$30.50				
Open Interface									
(24 channel capacity)	1,500.00	350.00	200.00	175.00	160.00				
Reconfiguration Charge, per circuit	125.00	-	-	-	-				
Other Common Carrier (OCC) Access									
Access Line Terminal /OAL/	80.00	90.00	82.00	75.00	67.00				

^{1/} Requires applicable Dedicated Communications Services Channel. Apply same charges for a Type 1011 or 1012 Channel as specified in the Dedicated Communications Services offering.

^{2/} Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply. (N) (N) (C)

1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<u>Monthly</u>	<u>Monthly Payment Term Payment Plans</u>			<u>(C)</u>			
			<u>36 Months</u>	<u>60^{2/} Months</u>	<u>84^{2/} Months</u>				
<u>System Features (cont'd)</u>									
Station Message Detail Recording (SMDR)^{1/}									
Common Equipment									
- per Primary Location /CMM/	\$1,600.00	\$75.00	\$60.00	\$50.00	\$40.00				
- per facility group /CMW/	160.00								
- per message, each		.02	.02	.02	.02				
Initial Service Establishment for either Tie Trunk or Foreign Exchange (FX) Trunk	600.00								
Tie Trunk terminated in arrangement, each /CMT/	40.00	6.00	5.00	4.50	4.00				
Foreign Exchange Trunk terminated in arrangement, each /CMQ/	40.00	6.00	5.00	4.50	4.00				

^{1/} Effective December 18, 1998, this feature is no longer available to new Advanced Centrex Service customers or to existing customers expanding their current systems.

^{2/} Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<u>Monthly</u>	<i>Term Payment Plans</i>			<u>(C)</u>			
			<u>36 Months</u>	<u>60^{1/} Months</u>	<u>84^{1/} Months</u>				
<u>System Features (cont'd)</u>									
Switched Services Network Access Terminals									
Access Line Terminal /901/	\$80.00	\$90.00	\$82.00	\$75.00	\$67.00				
Terminating Equipment									
For each dial termination of a Tie Line or Type A Enhanced Private Switched Communications service line /RXN/	115.00	124.00	118.00	116.00	114.00				

/1/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

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1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<i>Term Payment Plans</i>			<u>(C)</u>		
		<u>Monthly</u>	<u>36 Months</u>	<u>60^{2/} Months</u>			
<u>System Features (cont'd)</u>							
Uniform Call Distribution (UCD)							
Without queuing							
- per Primary Station equipped /EH7/	\$15.60	\$5.00	\$4.00	\$3.50	\$3.00		
With queuing							
- Common Equipment, per group /A8A/	280.00	6.90	6.40	5.90	5.40		
- per Primary Station equipped /A82/	15.60	17.00	15.60	14.20	12.80		
Options:							
- Group Make Busy Arrangement/Artificial Busy, per station equipped, key not included /A9A// ^{1/}	14.00	5.00	4.00	3.50	3.00		

/1/ Requires a Type 1011 or 1012 Dedicated Communications Service Channel, between the customer location and serving Central Office.

/2/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	Nonrecurring Charge	<u>Monthly</u>	Monthly Payment <i>Term Payment Plans</i>			(C)			
			<u>36</u> Months	<u>60^{2/}</u> Months	<u>84^{2/}</u> Months				
<u>System Features (cont'd)</u>									
Uniform Call Distribution (UCD) (cont'd)									
Options: (cont'd)									
- Call Waiting Lamp Indication, CO Equipment, per unique timing state ^{1/} /A66CE/	\$131.00	\$6.80	\$6.30	\$5.80	\$5.30				
- Delay Announcement, including announcement machine (limit one) /A8GCE/	91.00	120.00	110.00	100.00	90.00				
per Access Trunk /A8GAT/	160.00	17.00	15.40	14.00	12.60				
per Primary Station equipped /A8GST/	-	4.10	3.60	3.10	2.60				

^{1/} Requires a Type 1011 or 1012 Dedicated Communications Service Channel, between the customer location and serving Central Office.

^{2/} Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

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1. ADVANCED CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>	<u>Monthly</u>	<i>Monthly Payment Term Payment Plans</i>			<u>(C)</u>			
			<u>36 Months</u>	<u>60^{3/} Months</u>	<u>84^{3/} Months</u>				
<u>System Features (cont'd)</u>									
Uniform Call Distribution (UCD) (cont'd)									
Options: (cont'd)									
- Music on Queue ^{1/} , Common Equipment, per group, each /OTD/	\$25.00	\$18.00	\$16.00	\$15.00	\$13.50				
Virtual Routing									
each group of 24 access paths /VF1/	-	100.00	/2/	/2/	/2/				

/1/ For termination of a Type 6026 Central Office Termination.

/2/ Not available.

/3/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

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1. ADVANCED CENTREX SERVICE (cont'd)**F. Prices (cont'd)**

1. Service Elements (cont'd)

Customer Training

Initial Training^{/1}

Initial training of customer personnel in system operation is provided at the time of system cutover at a Company location. The number of customer personnel trained is as follows:

<u>Training Category</u>	<u>Number of Personnel Trained</u>
Station user via the Communications Counselor Program (CCP)	2 Counselors per system

Additional and Subsequent Counselor Training

Requests for additional training beyond what is considered standard, or if the customer requests additional training subsequent to the initial installation, the Station User via the Communications Counselor Program charge applies.

Subsequent Training^{/1}

If the customer requests additional training other than the Communications Counselor Program training, a per hour session charge applies. A three hour minimum for subsequent training applies.

Documentation for Counselor Training

The customer is provided the following documentation to promote an understanding and an ongoing operative knowledge of the equipment and software:

- each counselor trained will receive one copy of the documentation
- a supply of dialing instruction cards (one card per equipped station plus 5%) will be provided for each system installed

If the customer requests additional copies of any of this documentation, a charge based on costs per copy applies.

/1/ The customer is responsible for all expenses associated with travel to and from the Company location.

1. ADVANCED CENTREX SERVICE (cont'd)**F. Prices (cont'd)**

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>
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Training

Station User

- via the Communication Counselor Program (CCP) /TGERP/	\$350.00
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Subsequent Training

- per hour, per session (up to 10 people) /TGERU/	55.00
- Centrex Network Manager, per Company Trainer, / ^{1/} /	(C)
- initial 4 hour session /NR9NG/	540.00
- each additional hour /NR9NH/	135.00

/1/ Effective January 30, 2009, Centrex Network Manager is no longer available for new installations. (N)
Existing customers may keep current arrangements in place until they move, but may not add any |
additional capabilities or features with Centrex Network Manager. (N)

1. ADVANCED CENTREX SERVICE (cont'd)**F. Prices (cont'd)**

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>
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Subsequent Change Charges**Centrex Station Number Changes**

For changes in wiring because of changing the station number plan

- First Centrex station number changed \$15.00
- All other Centrex stations ordered changed at the same time, each 5.20

Changes in Centrex Features (Memory Changes)

Each Centrex station changed /PT3T1 5.20 (T)

Activation of Optional Station Features included with the Intercommunication portion of the Primary or Intercom station (C)

- Per feature added 2.00 (T)
- Five or more features added 10.00 (C)

Non-Centrex CO Systems/Service Changes to Advanced Centrex Service

When a customer's system or service is changed to a *Advanced Centrex Service* and the station terminations remain at the same location within the same building, and provided that the station work required is limited to the disconnection of existing stations from the old system or service and the reconnection of such stations to the new system

- per Primary or Intercom Only Station^{/1} 15.00

/1/ Premises Work Charges do not apply

1. ADVANCED CENTREX SERVICE (cont'd)**F. Prices (cont'd)**

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>
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Subsequent Change Charges (cont'd)**Circuit Switched Data or Packet Switched Data^{/1} Service**

- activate or change a standard feature, per occasion
 - per "B" channel service /REA1S/ \$ 15.00
 - per "D" channel service /REA1T/ 15.00

Circuit Switched Voice Service

- activate or change a standard feature or move a line or feature appearance, per channel, per occasion /REA1H/ 7.50
- changes and/or additions to an existing PRI Connection, per occasion, per PRI Connection /REA1F/ 100.00
- changes from a Custom ISDN line to a National ISDN line, or vice versa /REA1U/ 15.00

Automatic Route Selection - Basic (ARS-B)

- additions, deletions or modifications of Patterns or Routes in Patterns, per occasion 445.00
- additions, deletions or modifications of Codes or Routing for Codes in Three-Digit Routing arrangement, per occasion 375.00
- additions, deletions or modifications of Codes or Routing for Codes in a Six-Digit Routing arrangement, per NPA arranged, per occasion 530.00

/1/ Effective July 16, 2005, B- and D-channel packet switching as part of this service offering is grandfathered and no longer available to new customers. Existing customers may retain the service on an uninterrupted basis at their current location.

1. ADVANCED CENTREX SERVICE (cont'd)**F. Prices (cont'd)**

1. Service Elements (cont'd)

<u>Description /Billing Code/</u>	<u>Nonrecurring Charge</u>
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Subsequent Change Charges (cont'd)**Centrex Network Manager ^{/1/}**

(C)

Subsequent rearrangement, per occasion /REAKX/	\$50.00
- Adding new MAP user	
- Changing the number of storage days	
- Changing the access method	
- Adding or deleting trunk groups, numbers, etc.	

Call Detail Recording System (CDRS)

- Changes to Centrex Common Block for CDRS, per occasion	39.00
- Change transmission speed or type (async/sync) /SBG/	75.00
- Retrieval of data from backup tapes, per day requested, each /REH/	39.00

Centrex Virtual Network

See Area Wide Networking Service for applicable charges.

Dial Plan for Advanced Solutions(DPAS)

DPAS Change, per request /REATH/	50.00
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/1/ Effective January 30, 2009, Centrex Network Manager is no longer available for new installations. Existing customers may keep current arrangements in place until they move, but may not add any additional capabilities or features with Centrex Network Manager. (N)
(N)

1. ADVANCED CENTREX SERVICE (cont'd)**F. Prices (cont'd)****2. Other Applicable Charges and Payments**

The following services are referenced in the Advanced Centrex Service offering.

References:

<u>Service</u>	<u>Reference</u>	
Area Wide Networking Service	Guidebook Part 6, Section 5	(T)
Ameritech Message Signal Interface	Ameritech Operating Companies F.C.C. No. 2 Tariff, Section 8	
Caller ID with Name	Guidebook Part 7, Section 2	(T)
End User Common Line (EUCL) Interstate	Ameritech Operating Companies F.C.C. No. 2 Tariff, Section 4	
Intrastate	Guidebook Part 21, Section 2	(T)

1. ADVANCED CENTREX SERVICE (cont'd)**F. Prices (cont'd)**

3. Payment Plans

- Month to Month

This service is available on a month-to-month basis.

- Term Payment Plans

Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

(N)

(N)

Advanced Centrex Service will be furnished under the Term Payment Plan (TPP). The TPP prices are payable over a period selected by the customer from those available. All terms and conditions pertaining to the TPP are included in Part 2, Section 3 of this Guidebook, except as specified below:

- The 12 Month term is also available as a 12 Month verbal agreement. The customer will receive written notification of their selection outlining the details of the agreement.
- Conversions or Moves of Equipment to or from other Telephone Companies in Different States and Change of Jurisdiction, as defined in the TPP, do not apply.
- Moves of Equipment within the same Company and State, as defined in the TPP, does not apply.
- A customer may move a maximum of 25 Primary Stations (unless existing facilities will permit more as determined by the Company) anywhere within the same Central Office and keep the TPP.

1. ADVANCED CENTREX SERVICE (cont'd)**F. Prices (cont'd)**

3. Payment Plans (cont'd)

• Term Payment Plans (cont'd)

ISDN Centrex Service will be furnished under the Term Payment Plan (TPP). The TPP prices are payable over a period selected by the customer from those available. All terms and conditions pertaining to the TPP are included in Part 2, Section 3 of this Guidebook, except as specified below:

- The 12 Month term is also available as a 12 Month verbal agreement. The customer will receive written notification of their selection outlining the details of the agreement.
- At the option of the customer, and as agreed upon by the Company, this service may be added coterminously to an existing Advanced Centrex Service customer's TPP contract provided there is at least 30 days remaining on the existing contract option.
- A TPP contract equal to or shorter than the customer's ACS contract may be subscribed to if the customer does not want to add this service on a coterminous arrangement with their ACS contract.
- Conversions, Upgrades, Downgrades, Release, Version, Moves of Equipment, Change of Jurisdiction, and Suspension of Service as defined in the TPP, do not apply.
- A customer may move ISDN lines (where facilities permit as determined by the Company) anywhere within the same central office and keep the TPP.

/1/

/1/

(N)

'Thank You For Renewing' Credit Option

Eligible customers are those month-to-month Centrex customers, renewing Centrex term payment plan contract customers, or new customers who choose either a three, five or seven year term payment plan period. Eligible customers will receive a one-time bill credit of \$50.00 per line, up to a maximum of \$1,500.00 per contract. Existing customers must have 12 months or less on an existing contract or currently be on month-to-month rates. The customer must commit to the highest line category possible given the number of Centrex lines purchased under contract. In addition to the eligibility criteria noted above, the customer must not have had service disconnected for nonpayment and not have any past due bills for regulated service owed to the Company. This option is not available to customers with Centrex provided under a Customer Specific Offering.

(N)

/1/ Material now appears on Sheet 89.1.

1. ADVANCED CENTREX SERVICE (cont'd)**F. Prices (cont'd)**

3. Payment Plans (cont'd)

- Term Payment Plans (cont'd)

Contract Extensions

During the last twelve months of a term contract, the customer may extend its contract with the same Line Category for either an additional 12-month or 24-month^{/1} period at the same rates provided under the original contract. Subject to the Company's right to seek to discontinue this option to extend the contract period or to otherwise change the terms and conditions of this option, the customer may exercise this option up to three separate times. Customers who exercise the option to extend the term of the contract are not entitled to a different rate based on the overall term of the contract as extended (e.g., customers who initially have a 36-month contract and extend it by an additional 24 months are not entitled to the rates allowed under a 60-month contract). An extension will begin on the expiration date of the existing contract or, if applicable, of the contract as extended. Requests to terminate contract extensions will be governed by the terms and conditions found Part 2, Section 3 of this Guidebook.

(C)

Nonrecurring Charge Waiver Options

The following Waiver Options are available (given the specified conditions are met), but are not applicable to customers covered under an Individual Case Basis (ICB) contract.

New Service

Nonrecurring charges associated with the installation of new Centrex service will be waived for new, winback and win customers. In addition, existing Centrex subscribers moving their Centrex service to a new location are eligible. Customers must agree to sign a 24-month or greater Term Payment Plan and install a minimum of 11 stations.

Nonrecurring charges will be waived for each analog or ISDN BRI station connected during installation of the Centrex system.

Additional Lines

Nonrecurring charges associated with the installation of new Centrex stations will be waived for existing customers who agree to install a minimum of 3 additional stations and add the stations to an existing agreement.

The nonrecurring charges to be waived under these Waiver Options are as follows:

- Service Request Charge, Subsequent Additions
- Initial Service Establishment, System Charge
- Intercommunications Charge
- Electronic Key Line Service Access NRC Charges
- ISDN National Line and ISDN Custom Line NRC Charges

/1/ Effective October 1, 2013, the 24-Month option will no longer be available for customers seeking to extend their contract under this option. (N) (N)

1. ADVANCED CENTREX SERVICE (cont'd)**F. Prices (cont'd)**

3. Payment Plans (cont'd)

• Term Payment Plans (cont'd)*Supersedure*

Supersedure, as defined in the TPP, is permitted subject to a Transfer Charge of \$75.00. Only one supersedure charge applies, if more than one service is involved on an order.

Assumption of Existing Contract

The customer shall not assign or otherwise transfer its rights or obligations under any Centrex arrangement provided under this Guidebook without prior written consent of the Company. Such consent will not be unreasonably withheld or delayed. Any provisions to the contrary found elsewhere in any tariff or catalog are superceded.

4. Termination Charges

Termination Charges are dependent upon the payment period selected by the customer. Termination Charges are calculated as follows:

<u>Payment Option</u>	<u>Termination Charges</u>
1 Month	None
36 Months	18 months of payments or 60% of the remaining amount due, whichever is less.
60 Months ^{/1}	30 months of payments or 60% of the remaining amount due, whichever is less. (C)
84 Months ^{/1}	42 months of payments or 60% of the remaining amount due, whichever is less.
12 Months	6 months of payments or 60% of the remaining amount due, whichever is less.
24 Months	12 months of payments or 60% of the remaining amount due, whichever is less.

/1/ Effective December 31, 2011, the 84 month Term Payment Plan (TPP) term period is no longer available for new installations or renewals of Centrex Service. Effective September 1, 2013, the 60 month TPP term period is no longer available for new installations or renewals of Centrex Service. Centrex customers currently on a 60 month or 84 month TPP term period may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service at the then-current month-to-month rates. If the customer does not request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply. (N) (N) (C)

1. ADVANCED CENTREX SERVICE (cont'd)**F. Prices (cont'd)****5. Service Migration and Early Termination Charges**

If Customer migrates an AT&T Advanced Centrex Service or Service Component (referred to as the "Terminated ILEC Service") to a qualifying AT&T Business Voice over IP (BVoIP) Service (referred to as the "Replacement Service"), then the Early Termination Charge associated with the Terminated ILEC Service will be waived provided:

- The Terminated ILEC Service has been installed at the Customer site for no fewer than 12 months;
- The Term of the Replacement Service agreement is equal to or greater than the remaining term for the Terminated ILEC Service; and
- The Replacement Service is installed at the same Customer sites as the Terminated ILEC Service.

(C)

(C)

(D)

(D)

It is at the Company's sole discretion whether a product change satisfies these requirements.