

LARGE FILING SEPARATOR SHEET

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Section 8 - Centrex Services

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8 Centrex Services (cont.)8.4 Features (cont.)8.4.2 Line Features (cont.)

- 8.4.2.52 Intercom Calling - Centrex users may dial each other's telephone number using 3, 4, or 5 digits without the aid of the system attendant.
- 8.4.2.53 Last Number Redial - Allows a designation of a CPE station button to initiate redial of the last number called.
- 8.4.2.53.1 Last Number Redialed Associated with Set - redials last number from business set regardless of which key the call was made from.
- 8.4.2.54 Leave Message Activation - Capability for a station user to activate, via a button, an audible or visual message indication at other locations. The receiving station controls the deactivation of the message indication upon retrieval of the message. (Requires Message System Service CPE)
- 8.4.2.55 Message Retrieval Display - Provides the capability of a station to directly retrieve messages from their display via button activation and cancel the message waiting indication (Requires Message System Service CPE).
- 8.4.2.56 Message Waiting Activation Control - Provides the capability of a predesigned station to activate audible or visual message waiting indications at other stations. The sending station controls both the activation and deactivation of the message waiting indication.
- 8.4.2.57 Message Waiting Indication Lamp - Provides the capability of a visual message waiting lamp, that indicates a message is waiting at the message center.
- 8.4.2.58 Message Waiting Indication - Visual - Provides the capability of a visual message waiting indication key, that indicates a message is waiting at the message center. A directory number can have one to four message waiting lamps assigned on a set.
- 8.4.2.59 Message Waiting Indicator - Audible - Provides an audible tone signal, e.g. stutter dial tone, on a Centrex line to indicate a message waiting condition.

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8 Centrex Services (cont.)8.4 Features (cont.)8.4.2 Line Features (cont.)

- 8.4.2.60 Multiple Appearance Directory Number (MADN) - Provides capability to terminate duplicate telephone numbers on Electronic Key Line type Sets or Single Line Sets. Multiple Call Arrangement (MCA) allows more than one set in the MADN group to be active on the MADN simultaneously. The number of simultaneous calls is restricted only by the number of members in the MADN group.
- 8.4.2.61 Single Call Arrangement (SCA) - Provides capability to terminate duplicate telephone numbers on Electronic Key Line type Sets or Single Line Sets. These numbers are configured in a Single Call Arrangement (SCA). Single Call Arrangement (SCA) allows only one set to be active (either originating or terminating) on the MADN at any given time. Includes incoming call disconnect to automatically release the bridge for other MADN Directory Numbers.
- 8.4.2.61.1 Bridging - Allows more than one set in a MADN group to be active on a line simultaneously.
- 8.4.2.61.2 Conference Interaction - allows a conference call to be either answered or established by one party, placed on hold, or picked up by another party.
- 8.4.2.61.3 Conference w/3-Way Calling - enables a MADN Single Call Arrangement (SCA) with bridging options to establish a three-way call during the bridge state.
- 8.4.2.61.4 Privacy - allows a user to exclude another
- 8.4.2.62 Night Answer - Allows an incoming night call to be indicated by the ringing of a customer provided night bell or a predesignated Centrex line. Calls may be answered at any station other than fully restricted stations by dialing a special code.
- 8.4.2.62.1 Fixed - allows calls that are normally routed to the attendant during the day, to be routed to predesignated locations at night. The predesignated route can be an individual directory number or a hunt group.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.2 Line Features (cont.)****8.4.2.62 Night Answer**

8.4.2.62.2 Flexible - allows the attendant to program the Night Service routes for each Incoming Call Identification (ICI) classification assigned to the customer group.

8.4.2.62.3 Trunk Answer From Any Station - allows any station in the customer group to answer an incoming call by dialing a code. The code is dialed when the Trunk Answer From Any Station alert sounds.

8.4.2.63 On Hook Dialing - A capability available on properly equipped Customer Provided Equipment which allows the user to originate calls without lifting the handset.

8.4.2.64 Query Busy Station - Allows up to 128 Electronic Key stations to query the busy/idle status of one designated station either Electronic Key line or Centrex within the group. The feature supports up to eight simultaneous requests to monitor the station for idle status display.

8.4.2.65 Repeat Alert - A station can be designated to receive additional alert tones when a call terminates on a Directory Number (DN), MADN, or Group Intercom Key and while the station is active on another call.

8.4.2.66 Ring Again Idle Set - Prevents a busy set from receiving call back Ring again while active on another call. Optionally, the set can be designated to receive additional alert tones while active on another call.

8.4.2.67 Ringing Options for MADN - Provides additional ringing options to a Multiple Appearance Directory Number (MADN) group.

8.4.2.68 Secondary Directory Telephone Number - Provides an additional directory number which is not physically terminated, but exists in the programming of Electronic Key Line Service. The additional directory number, while not terminated on a dedicated facility, may be accessed from the network and may originate unique outgoing dial tone from an instrument that has another directory number as its primary number.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.2 Line Features (cont.)**

- 8.4.2.69 Secondary MADN Call Forwarding - Allows secondary Multiple Appearance Directory Number (MADN) members to activate or deactivate call forwarding from their sets.
- 8.4.2.70 Set Inspect - Allows a station user to either display features assigned to buttons on the set or display calling or called number of an active call or call on hold via operation of a predesignated button.
- 8.4.2.70.1 Enhancement - allows this feature to also be enabled on an automatic basis displaying call information as soon as a call is presented.
- 8.4.2.71 Short Hunt - Permits incoming calls to hunt over a set of directory number appearances in search of an idle directory number on which to terminate.
- 8.4.2.72 Single Line Extension - Allows a single line set to be bridged with other single line sets using the same Directory Number. Extensions are bridged at the central office and can be to the same premises, different building or different premises in the same central office.
- 8.4.2.73 Speed Calling - Expanded Number Group - Allows a station user to place calls to a list of numbers by dialing an access code. The size of the list depends on the serving technology type.
- 8.4.2.74 Speed Calling - Long - Allows a station user to place calls to a list of 30 numbers by dialing an access code.
- 8.4.2.75 Speed Calling - Short - Allows a station user having access to place calls to a list of 6 or 10 numbers by dialing an access code.
- 8.4.2.76 Stop Hunt - This feature may be assigned to any hunt line, directory number, multi-line hunt line, or distributed hunt line and activated by one of the following options:
- 8.4.2.76.1 Access Code - The feature is activated when the customer dials an access code.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.2 Line Features (cont.)****8.4.2.76 Stop Hunt (cont.)**

8.4.2.76.2 Key - The feature is activated by using a customer provided external key.

8.4.2.77 Time and Date Display - Allows time and date to be displayed. Time and date are provided by the Central Office.

8.4.2.78 Touch Tone - Provides for dialing a telephone number using Dual Tone Multi-Frequency (DTMF) signaling.

8.4.2.79 Transfer Calls to Restricted Station - Allows incoming calls, initiated from outside the Centrex system to be transferred by a designated station user to a Centrex line that is restricted from receiving incoming calls.

8.4.3 ISDN Services and Features

8.4.3.1 Alternate Circuit Switched Voice/Circuit Switched Data Service - Provides the capability to originate and receive either Circuit Switched Voice or Circuit Switched Data calls over a single "B" channel, but not simultaneously. The standard capabilities and features are the same as those shown for Circuit Switched Voice and Circuit Switched Data.

8.4.3.2 Circuit Switched Data Service - Provides the ability to originate and receive circuit switched data calls over the 64 Kbps "B" channel.

8.4.3.3 Circuit Switched Voice Service - Provides the ability to originate and receive circuit switched voice calls over the 64 Kbps "B" channel.

8.4.3.4 On Demand-Packet Switched Data "W" Channel Service - Allows station users to originate or receive X.25 packet data calls over the 64 Kbps "B" channel on demand. This arrangement provides the station user the flexibility to use the "B" channel for circuit switched voice calls, circuit switched data calls, or (on demand) packet data calls.

8.4.3.5 Packet Switched Data "B" Channel Service - Provides the ability to originate and receive X.25 packet data calls over the 64 Kbps "B" channel.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.3 ISDN Services and Features (cont.)**

8.4.3.6 Packet Switched Data "D" Channel Service - Provides the ability to originate and receive X-25 packet data calls over the 16 Kbps "D" channel.

8.4.3.7 Increased Shared Directory Number (DN) Group Size - Increases the number of Customer Provided multi-button sets that can share call appearances of a directory number from eight to thirty-two. One of the stations sharing a DN may be an analog set. This arrangement is provided only in association with ISDN National lines. Additionally, the number of station users who can bridge onto a conference call is subject to the restriction that the number of conferees plus conference bridges cannot exceed six.

8.4.3.8 Pickup Hold Conference Call from Shared Directory Number (DN) Call Appearance - Allows a user, with a customer provided multi-button set that shares a call appearance of a directory number with another user, to establish a conference call, place it on hold, and have the other user pick it up.

8.4.3.9 Shared Directory Number (DN) Bridging with Conference Calls - Allows users, with customer provided multi-button sets with shared call appearances of a directory number, to bridge onto a conference call established on a shared call appearance directory. This arrangement is provided only in association with ISDN lines. Additionally, the number of users who can bridge on to a conference call is subject to the restriction that the number of conferees plus conference bridge cannot exceed six.

8.4.3.10 Terminal Management - Provides for the management of ISDN terminals by designating the capability of:

8.4.3.10.1 Adjunct control - automatically turns on the speaker phone at the station set, if appropriate for the particular feature.

8.4.3.10.2 Automatic-Hold/Drop Preference - automatically determines how to handle a call active on one call appearance when the user shifts to another appearance. Two types of treatment are provided: auto-drop and auto-hold.

8.4.3.10.3 Button Management - provides software release buttons that can be used for features or call appearances.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.3 ISDN Services and Features (cont.)****8.4.3.10 Terminal Management (cont.)**

- 8.4.3.10.4 Call Appearance Selection for Implicit Conference and Transfer Automatically** - selects an idle call appearance for the Implicit Conference and Transfer features.
- 8.4.3.10.5 Display for Ringing Call Appearances Only** - activates the display on customer provided muf-tl-button sets only for ringing call appearances.
- 8.4.3.10.6 Idle Call Appearances Preference** - automatically selects an idle call appearance, if available, when a station user equipped with multiple call appearances goes off-hook. The idle call selection occurs when other call appearances are alerting the station set.
- 8.4.3.10.7 Ringing Call Appearance Preference** - automatically selects the call appearance that has been alerting the longest when the station user goes off-hook and other call appearances are alerting the station set.
- 8.4.3.10.8 Inspect for ISDN Terminals** - retrieves and displays call-related information on any call appearance that has an associated call.
- 8.4.3.11 Alternate Access** - Allows designation of an alternate host to be used to complete a call in the event that the primary host does not answer when the host is out of service.
- 8.4.3.12 Far End Disconnect Supervision** - Provides automatic disconnect of one end of a data connection when the other end disconnects.
- 8.4.3.13 Hunt Group for Shared Data Access** - Provides automatic search of a group of shared ports to find an available port in response to a connection request.
- 8.4.3.14 Queuing** - Permits calls, in excess of the available lines in a hunt group, to be held in the central office and distributed in their order of arrival to the hunt group as the line becomes available.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.3 ISDN Services and Features (cont.)**

8.4.3.15 Closed User Group (CUG) Additional Member - Provides membership for additional CUG members beyond the initial ten included in the design. The available option allowing group members to restrict communications includes the following:

8.4.3.15.1 CUG Incoming Access - This facility 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.

8.4.3.15.2 CUG Outgoing Access - This facility 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.

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

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

8.4.3.16 Flow Control Parameter Negotiation - Permits negotiation on a per-call basis of the X.25 packet mode data 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.

8.4.3.17 Hunt Group - Allows multiple packet mode data service devices ports to be reached through a single address. If a member of the hunt group is busy, incoming calls are directed to the next member of the group.

8.4.3.18 Logical Channels - Enables more than one call to be set up on a single Packet Switched Data channel service. A maximum of 32 logical channels are included per "B" channel. One logical channel is included in the Packet Switched Data "D" channel service. A maximum of 16 standard channels can be provided per "D" channel. Logical channels can be arranged as one way incoming, one way outgoing or two way.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.3 ISDN Services and Features (cont.)**

- 8.4.3.19 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 terminal interface which do not perform per-call flow control parameter (packet window size) negotiation.
- 8.4.3.20 Permanent Virtual Circuit** - Provides a permanent logical channel between two packet mode data devices which is always available for the exchange of data without the need for call setup or call clearing.
- 8.4.3.21 Recognized Primate Operating Agency Selection** - Allows a user, on a per call basis, to specify an Inter Exchange Carrier or transit network for inter network packet mode data calls.
- 8.4.3.22 Reverse Charging** - Allows the user, on a per packet mode data originating call basis, to request that usage charges for the call be billed to the terminating packet number. The terminating party must subscribe to Reverse Charge Acceptance.
- 8.4.3.23 Reverse Charging- Acceptance** - Allows the user to authorize the acceptance of usage billing for all incoming packet mode calls the user receives for which the originator requested reverse charging.

8.4.4 System Features

- 8.4.4.1 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.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)****8.4.4.1 Centrex Mate (cont.)**

- 8.4.4.1.1 Access is provided by dial up modems via Customer Provided Equipment. The customer is responsible for any charges incurred to access the Centrex Mate system.
- 8.4.4.1.2 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.
- 8.4.4.1.3 Customers may elect to have a third party other than the customer implement and manage their system for them. If this option is elected, the customer assumes responsibility for all changes executed by their authorized agent.
- 8.4.4.1.4 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.
- 8.4.4.1.5 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, and multi-line hunt lines and lines with special equipment.
- 8.4.4.1.6 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 1. Centrex Mate is activated without charge. Subsequent training can be provided for the customer at an additional charge as specified elsewhere in this offering.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)****8.4.4.1 Centrex Mate (cont.)**

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

8.4.4.1.7 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 System shall be responsible for that agents use and protection of the password and access codes.

8.4.4.1.7.1 The customer will designate at the time of installation whether they will manage their Centrex Mate system themselves 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 their behalf The customer accepts responsibility for all changes made on their behalf by their agent.

8.4.4.2 Centrex Message Signal Interface (CMSI) - Provides for the transmission at 1200 and 9600 baud rates of certain called number and other identification information via a data link connecting the CMSI input/output port located in the Company central office to Customer Provided Equipment.

8.4.4.2.1 CMSI service consists of three features: Call History Package Delivery, Remote Activation of Message Waiting Indicator and Message Waiting Indication.

8.4.4.2.1.1 Call History Package Delivery - provides detailed information of calls forwarded from Centrex lines via a Centrex multi-line hunt group and associated data link from the Company's central office to the customer provided Message System Interface.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)****8.4.4.2 Centrex Message Signal Interface (CMSI) (cont.)**

8.4.4.2.1.2 Remote Activation of Message Waiting Indicator - allows the Centrex customer to activate/deactivate an audible message waiting tone on Centrex lines or a visual LED indication on electronic business sets.

8.4.4.2.1.3 Message Waiting Indication Audible - provides an audible tone signal on a Centrex line or, where technology permits, a visual LED indication on an electronic business set. The Message Waiting Indication Audible feature is provided as part of the Centrex Basic Line on a per line basis.

8.4.4.3 Centrex Message Signal Interface - Expanded (CMSI-E) - Centrex Message Signal Interface-Expanded (CMSI-E) is a Centrex feature designed to link a Centrex customer's premise equipment (CPE) to Company's central office in order to pass signaling and message detail information. This service will allow a customer with operations located in multiple Central Office locations to share a single data (CMSI-E) link. This service is available at both a low speed (1200 baud) and a high speed (9600 baud).

8.4.4.3.1 CMSI-E service consists of three features: Call History Package Delivery, Remote Activation of Message Waiting Indicator and Message Waiting Indication.

8.4.4.3.1.1 Call History Package Delivery - provides detailed information of calls forwarded from Centrex lines via a Centrex multi-line hunt group and associated data link from the Company's central office to the customer provided Message System Interface.

8.4.4.3.1.2 Remote Activation of Message Waiting Indicator - allows the Centrex customer to activate/deactivate an audible message waiting tone on Centrex lines or a visual LED indication on electronic business sets.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)****8.4.4.3 Centrex Message Signal Interface - Expanded (CMSI-E) (cont.)**

8.4.4.3.1.3 Message Waiting Indication Audible - provides an audible tone signal on a Centrex line or, where technology permits, a visual LED indication on an electronic business set. The Message Waiting Indication Audible feature is provided as part of the Centrex Basic Line on a per line basis.

8.4.4.3.2 The following terms and conditions apply for CMSI-E:

8.4.4.3.2.1 CMSI-E may be provided only from Central Offices equipped for this service, subject to the technical limitations and availability of equipment and facilities.

8.4.4.3.2.2 A modem is required in the central office and a compatible modem is required at the customer's premises.

8.4.4.3.2.3 Multi-line hunt groups will be required at the host Central Office only.

8.4.4.3.2.4 All customer locations linked by the CMSI-E link must be located in the same LATA.

8.4.4.3.2.5 If a customer upgrades from CMSI to CMSI-E or from 1200 to 9600 baud, only the incremental difference in nonrecurring charges will be charged.

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

8.4.4.4.1 All lines in the Centrex system and at each premises location must be included in a customer's VN. Multiple customers sharing Centrex Common Blocks cannot be part of an VN. A minimum of 500 lines is required to establish VN except with OmniPresence. Systems exceeding 25,000 lines may require special construction charges except with OmniPresence. See the OmniPresence description elsewhere in this offering for exceptions to the above.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)****8.4.4.4 Virtual Network (VN) (cont.)**

8.4.4.4.2 All lines in the network must terminate at an authorized premises 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.

8.4.4.4.2.1 VN requires a measurement of the customer's usage busy hour 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.

8.4.4.4.2.2 When VN is provided through resale, all lines in each VN network must terminate at an authorized premises 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 500 lines per end user customer apply.

8.4.4.4.3 OmniPresence VN - OmniPresence VN provides a virtual local presence from multiple remote Centrex locations to a hub location of the same end user customer of record. OmniPresence is a Virtual Network (VN) feature and VN service parameters apply. The customer must subscribe to both Remote OmniPresence and Hub OmniPresence.

8.4.4.4.3.1 The OmniPresence network requires a minimum of 26 lines/channels. All remote location lines/channels in the OmniPresence network are OmniPresence Centrex Basic lines or OmniPresence Centrex National ISDN lines with a Circuit Switched Data "B" channel.

8.4.4.4.3.2 Circuit Switched Data Service standard capabilities Call Diverting, Hunt Group for Shared Data Access, Intercom Calling, and Speed Calling - Short are not available when used with OmniPresence VN. The Centrex line feature Call Forwarding - Busy is provided as a standard Circuit Switched Data Service capability when used with OmniPresence VN.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)****8.4.4.4 Virtual Network (VN) (cont.)**

8.4.4.4.3.3 Each remote location requires a dedicated Centrex System and the Centrex system feature, Call Forwarding MultiPath.

8.4.4.4.3.4 Centrex Mate is not available on OmniPresence Lines.

8.4.4.4.3.5 Digital Transport Service and/or ISDN Prime Service are/is required at the hub location to provide termination of calls to the customer premises.

8.4.4.4.3.6 OmniPresence service must terminate on Customer Premises Equipment in the LATA where Centrex OmniPresence service is provided.

8.4.4.4.3.7 Additional lines/channels at the OmniPresence hub location are not required to be a part of a customers OmniPresence VN.

8.4.4.4.3.8 Networks exceeding 2,000 lines/channels may require special construction charges.

8.4.4.5 Announcement Services - Provides announcements periodically to assure callers that their calls will be answered and provides for delay periods between announcements and the type of treatment callers will receive between announcements (ringing, silence or music). Announcements can be utilized with various Centrex services, such as UCD, ACD, Special Intercept, ARS, Queue Slots and Music on Hold.

8.4.4.5.1 Two announcement arrangements are available:

8.4.4.5.1.1 Customer Premises Announcements - provides an interface to the customer premises for recorded announcement or music.

8.4.4.5.1.2 Central Office Recorded Announcements - may be provided in the following arrangements:

8.4.4.5.1.2.1 Standard announcements provides for Company announcements.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)****8.4.4.5 Announcement Services (cont.)**

8.4.4.5.1.2.2 Customer specific announcements provides for announcements customized for an individual specific customer (maximum of 24 seconds).

8.4.4.5.1.2.3 Secondary Announcements can be designed to provide second or subsequent announcements that are different from the initial announcement.

8.4.4.6 Assume Dial "9" - An arrangement that allows station users to originate network calls by dialing the appropriate seven or ten digit network telephone number without first dialing "9" for access to the public network. All lines in the system are equipped with this feature. When associated with Split Service, Assume Dial "9" may be provided on one group of station lines and normal dialing arrangements on another group of station lines.

8.4.4.7 Attendant Console - A special customer provided telephone instrument used by the attendant(s) to perform functions such as answering incoming calls, completing outgoing calls for restricted stations, etc. Console Arrangements are available for use with Digital and ISDN Centrex. Each digital console arrangement requires three Centrex lines. Each ISDN console Arrangement requires one ISDN line. A console Arrangement and associated Centrex lines are required for each console position.

8.4.4.7.1 Available Standard features are:

8.4.4.7.1.1 Access to Paging, Code Calling, etc. - allows an attendant to access customer provided code call, paging, etc. equipment by dialing an access code and a called party code.

8.4.4.7.1.2 Attendant Recorded - Announcement provides callers a recorded announcement when calling the attendant and held in queue longer than the selected delay threshold.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)****8.4.4.7 Attendant Console (cont.)****8.4.4.7.1 Available Standard Features (cont.)**

8.4.4.7.1.3 Attendant to UCD Transfer - enhances the UCD feature by enabling an attendant to originate or extend calls to UCD directory numbers.

8.4.4.7.1.4 Attendant Transfer - enables an attendant to transfer a call to another attendant.

8.4.4.7.1.5 Autodial - permits an attendant to dial frequently called numbers by pressing the Autodial feature key, which is programmed with a particular number.

8.4.4.7.1.6 Automatic Recall - provides automatic recall timers for unanswered calls, call waiting recalls, and camped-on calls.

8.4.4.7.1.7 Busy Verification of Station/Trunk - allows an attendant to determine whether stations or trunks are busy or idle.

8.4.4.7.1.8 Call Hold - allows an attendant to manually hold a call on the loop by depressing the hold/release key, or automatically hold the call on the loop by depressing another loop key.

8.4.4.7.1.9 Call Hold with Recall - provides automatic recall timers for calls on hold.

8.4.4.7.1.10 Call Park Recall - Timer provides a separate timer for calls parked by the attendant. The timer defines the maximum time period that a call can spend in the parking lot.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)****8.4.4.7 Attendant Console (cont.)****8.4.4.7.1 Available Standard Features (cont.)**

- 8.4.4.7.1.11 Call Selection - allows an attendant to answer calls as queued or manually select specific call types.
- 8.4.4.7.1.12 Call Splitting - allows the attendant to talk privately to either the calling party or the called party. The attendant can alternate between the parties as required. Either party can be excluded but both cannot be excluded simultaneously.
- 8.4.4.7.1.13 Call Through Tests - allows an attendant to access specific trunks within a Centrex trunk group for testing.
- 8.4.4.7.1.14 Console Display Capability - allows the attendant to handle calls more efficiently by providing an alphanumeric display, LED indications and multiple line key board.
- 8.4.4.7.1.15 Console Test - allows an attendant or maintenance personnel to test the functional operations of a console.
- 8.4.4.7.1.16 Control of Trunk Group Access - allows the attendant to control access of all stations and incoming trunks to various trunk groups by operating corresponding keys.
- 8.4.4.7.1.17 Control of Virtual Facilities Groups - allows the attendant to control access from all stations and trunks to various trunk groups by operating corresponding keys.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)****8.4.4.7 Attendant Console (cont.)****8.4.4.7.1 Available Standard Features (cont.)**

- 8.4.4.7.1.18 Delayed Operations - enables the attendant to place a call for a calling station while the calling station waits on-hook. When the called station answers, the attendant can recall the calling station by depressing the signal source key. On answering, the calling station and the called station are connected.
- 8.4.4.7.1.19 Direct Trunk Group Selection - allows the attendant to select an idle trunk for an outgoing call by pressing a single button on the console.
- 8.4.4.7.1.20 End to End Signaling allows the attendant console to send Dual Tone Multi Frequency (DTMF) signals.
- 8.4.4.7.1.21 Emergency Access to Attendant - allows a station user to dial an emergency access code to gain immediate access to the attendant.
- 8.4.4.7.1.22 Emergency Override - allows an attendant to complete incoming calls to stations that: are busy from activating the make busy key, have a series completion or multi-line hunt arrangement, have call forwarding activated, or have terminating restrictions.
- 8.4.4.7.1.23 Extended Calls to Busy/No Answer - allows extended calls to a station with Call Forwarding Busy and Don't Answer to be forwarded to a predetermined path.
- 8.4.4.7.1.24 Foreign Exchange (FX) Termination - provides the ability to terminate an FX line on a console.
- 8.4.4.7.1.25 Flexible Console Alerting - alerts the attendant to a call requiring attention by an alert tone through the headset instead of the console speaker.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)****8.4.4.7 Attendant Console (cont.)****8.4.4.7.1 Available Standard Features (cont.)**

- 8.4.4.7.1.26 Incoming Call Identification - assigns incoming call information in one of four categories: Direct Calls, Directory Assistance Calls, INWATS Calls, and Precedence Calls.
- 8.4.4.7.1.27 Information/Display Calls in Queue - provides the attendant with a visual indication of the number of calls waiting in queue.
- 8.4.4.7.1.28 Interposition Calling - enables an attendant to call and speak to another attendant.
- 8.4.4.7.1.29 Locked Loop Operation - allows the attendant to hold a call on a loop.
- 8.4.4.7.1.30 Lockout - denies an attendant the ability to reenter a call unless the attendant is recalled by a station user or by Automatic Recall.
- 8.4.4.7.1.31 Message Waiting Control - allows the attendant to activate/deactivate message waiting indication for station users.
- 8.4.4.7.1.32 Multiple Console Operation - allows for a multiple number of consoles and loops.
- 8.4.4.7.1.33 Multiple Listed Directory Numbers - allows the customer to have many listed directory numbers. To handle this efficiently, each number has a unique Incoming Call Identification (ICI) lamp so that the attendant can answer appropriately.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)****8.4.4.7 Attendant Console (cont.)****8.4.4.7.1 Available Standard Features (cont.)**

- 8.4.4.7.1.34 Night Service - Fixed permits the forwarding of an incoming call to a predesignated station at night or time when attendant positions are unattended or inoperative. This feature is activated/deactivated by a button on the console. Flexible uses the Centrex Call Forwarding Variable Feature to activate or cancel night service.
- 8.4.4.7.1.35 Power Failure Transfer - routes calls destined for an attendant to a preassigned directory number during a communications failure or loss of power to the attendant console.
- 8.4.4.7.1.36 Queuing with Call Waiting - Indication permits incoming calls to be held awaiting the availability of an idle line, and to be delivered from the queue on a first in, first out basis. Additionally, on properly equipped customer premises equipment, a visual signal on each attendant position is provided to indicate when calls are waiting to be served.
- 8.4.4.7.1.37 Release Upon Completion of Dialing - allows an attendant to extend a call to a trunk, then release the call after the dialing is completed and before out-pulsing to the trunk is completed.
- 8.4.4.7.1.38 Secrecy - allows the attendant to talk to a called party (destination) without the calling party (source) hearing the conversation. When the Attendant releases from the call, the source and the destination are connected.
- 8.4.4.7.1.39 Serial Calling allows an attendant to extend a call to more than one station.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)****8.4.4.7 Attendant Console (cont.)****8.4.4.7.1 Available Standard Features (cont.)**

- 8.4.4.7.1.40 Speed Calling - allows an attendant to dial frequently dialed numbers by depressing a speed calling key and dialing one or two digits. The frequently dialed number may be a directory number, authorization code, account code or access code.
- 8.4.4.7.1.41 Straightforward Outward Completion - allows an attendant to extend a call outside the customer group while the station user may remain off-hook.
- 8.4.4.7.1.42 Supervisory Console - allows an attendant to call a supervisor for assistance and to extend a call to a supervisor for subsequent call handling. It also allows the supervisor to monitor the progress of an attendant and to give assistance while the attendant is handling a call.
- 8.4.4.7.1.43 Switched Loop Operation - (virtual loop concept) trunks and lines do not have direct termination on the consoles.
- 8.4.4.7.1.44 Through Dialing - allows the attendant to select the trunk facility for a station in the same customer group and send dial tone to the station user. The station user then dials the called number. This 40 feature provides an override of station restrictions in the same customer group.
- 8.4.4.7.1.45 Time of Day and Date - provides a display of the time of day and date.
- 8.4.4.7.1.46 Timed Reminder - provides a timer whose length is specified by the customer. The timer is started when a call is camped-on a busy station. When the called party has not answered, or when a call is on hold, and the timer expires, the attendant is recalled and can pick up the call to talk to the calling party.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)****8.4.4.7 Attendant Console (cont.)****8.4.4.7.1 Available Standard Features (cont.)**

- 8.4.4.7.1.47 Toll Diversion-to Attendant - toll calls, which are attempted by toll restricted stations, to the attendant for assistance.
- 8.4.4.7.1.48 Trunk Busy Identification - a display of the trunk group status on the attendant console. The lamp state is off, when one or more trunks in the group is idle and, on, when all trunks in the group are busy.
- 8.4.4.7.1.49 Trunk Group Busy/Access Control Key - provides special keys to serve as a common interface for Trunk Group Busy and Trunk Group Access Control for all trunk groups allocated to the customer group.
- 8.4.4.7.1.50 Trunk Group Identification Indicators - provides a display of the trunk group and member number of the incoming or outgoing trunk in-use either at the request of the attendant or automatically on incoming trunk calls.
- 8.4.4.7.1.51 UCD from Queue - provides for a uniform distribution of calls from the attendant queue to a group of attendant positions.
- 8.4.4.7.1.52 Verification of Authorization Codes - allows customer group attendants to validate authorization codes.
- 8.4.4.7.1.53 Wild Card Key - enables the attendant to invoke special features not directly available through a feature key on the console. Any special feature normally available through the use of a feature key may be invoked through the Wild Card Key, with the exception of intercom caller identification.
- 8.4.4.7.1.54 800 Termination - provides capability of terminating an 800 service call into a UCD group or on a compatible console.

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8 Centrex Services (cont.)8.4 Features (cont.)8.4.4 System Features (cont.)8.4.4.7 Attendant Console (cont.)8.4.4.7.1 Available Standard Features (cont.)

- 8.4.4.7.1.55 Attendant Call Detail Entry - allows the attendant to enter cost allocation information into the Station Message Detail Recording (SMDR) or Call Detail Recording Service (CDRS) service record. This feature requires Call Detail Account Recording (CDAR) Service and SMDR or CDRS.
- 8.4.4.7.1.56 Attendant Conference (30 Port) - enables the attendant to establish a 30 port conference (not including the attendant).
- 8.4.4.7.1.57 Direct Station Selection and Busy Lamp Field - allows the attendant to monitor, via a busy lamp field, the status of directory numbers that appear in the group. It will also provide direct dialing to a monitored station by depressing a key.
- 8.4.4.7.1.58 Multi Position Hunt (MPH) - distributes calls over a group of up to 16 line-loop attendant positions each of which can handle up to six types of calls. Incoming calls are rerouted only to idle positions with a loop for that type of call. Only Multi Line Hunt Group (MLHG) lines can be used with the MPH features.
- 8.4.4.7.1.59 Name Display for Attendant Console - enables the attendant console to display the name of a calling (or called) party.
- 8.4.4.7.1.60 Operational Measurements - provides attendant operational measurements for a customer group or subgroup. Types of operational measurements included are counts for aggregate work time, minutes active, and number of calls handled for each attendant position.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)**

8.4.4.8 Automatic Route Selection-Basic (ARS) - Allows for the completion of calls to a public network telephone number by automatically scanning the digits and selecting a first choice completion route when available, or a subsequent route if the first choice route is not available. Routes may include Foreign Exchange lines, WATS lines, Carrier access lines, the DDD network, or other compatible arrangements. The final completion route may be the public network. The delivery of digit one to an Interexchange carrier is available. It is the responsibility of the customer to notify the Company regarding updates to the customer's ARS patterns whether caused by changes in the customers private network or the public switched network.

8.4.4.9 Automatic Route Selection - Deluxe - Allows for the completion of calls to a public network telephone number by automatically scanning the digits and selecting a first choice completion route when available, or a subsequent route if the first choice route is not available. Routes may include Foreign Exchange lines, WATS lines, Carrier access lines, the DDD network, the IDDD network, or other compatible arrangements. The delivery of digit one to an Interexchange-carrier is available. It is the responsibility of the customer to notify the Company regarding updates to the customers ARS patterns whether caused by changes in the customers private network or the public switched network.

8.4.4.9.1 The final completion route may be the public network, or at the direction of the customer, the call attempt can be routed to Expensive Route Warning Tone.

8.4.4.9.2 Facility Restriction Levels (FRL) are required with ARS-D and are required on each Centrex line and incoming tie line to determine both the type of call and type of facility within the privileges of the associated user.

8.4.4.9.3 Authorization codes are required to allow a station user to dial a code to override the restriction level associated with the dialing Centrex line or tie line. The Centrex requests the Authorization code when the default FRL has insufficient privileges to complete the call. The Authorization code is also inspected for validity as a security check.

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8 Centrex Services (cont.)8.4 Features (cont.)8.4.4 System Features (cont.)8.4.4.9 Automatic Route Selection - Deluxe (cont.)

- 8.4.4.9.4 Time of Day routing, an option, permits the pre-programming selection of alternate routing pattern groups for off-network calls on a time of day and day of the week basis.
- 8.4.4.9.5 Automatic Alternate Routing for tie lines provides automatic routing of calls to alternate tie line routes when the primary tie line route is in use.
- 8.4.4.9.6 Automatic Overflow to DDD provides completion of on-network calls via the toll network when all primary and alternate tie line routes are busy.
- 8.4.4.9.7 Deluxe queuing permits station users to be placed in a queue whenever all facilities in the first choice route in a pattern for completing a particular call are already in use.
- 8.4.4.9.8 ARS-Deluxe can be optionally equipped to scan up to 10 digits or provide IDD Dialing.
- 8.4.4.10 Call Forwarding Multi Path - Provides for the simultaneous forwarding of multiple incoming calls to a predesignated telephone number. Adequate facilities are required for their termination. One such Multi Path feature is required for each type of call forwarding feature such as Variable, Busy, Don't Answer, and each line with which it is associated. Availability is limited to an intra-office basis except where inter-office forwarding is available and facilities permit.
- 8.4.4.11 Call Waiting Lamp Interface - Provides a visual status of queued calls via busy lamps. Busy lamps are activated through a channel from the serving central office.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)**

8.4.4.12 Centrex Station Identification (CSI) - Provides the automatic transmission of a ten digit number and information digits to the customer's tie trunk for calls originating in the Centrex system, to identify the calling Centrex station for purposes of billing administration within a private network. The feature is a central office software function which is associated on a call-by-call basis with all individual transmission paths connected to a trunk group provisioned with CSI. CSI may be provided subject to the availability of facilities and the compatibility of serving central office technology. The ten digit CST telephone number, consisting of the NPA plus the seven digit CSI telephone number, will be transmitted on all calls except those identified a CSI failure, in which case only the NPA will be transmitted. The CSI telephone is the telephone number of the calling station and is not the listed telephone number of the customer.

8.4.4.13 Conference Services - A Six Port Conference circuit allows attendants and station users to establish conference calls beyond the standard Three Way Calling feature up to six conferees. A Six Port conference circuit may be expanded to accommodate up to 30 conferees by adding Conference Linking arrangements. One Conference Linking arrangement provides four additional ports.

8.4.4.13.1 Meet Me - conferencing allows station users to hold a conference by dialing a directory number associated with a specific conference bridge at a predetermined time.

8.4.4.13.2 Station Controlled - allows station users to hold a conference by dialing a directory number associated with a specific conference bridge at a predetermined time.

8.4.4.13.2.1 Privacy Release Conference Control - Provides conference circuits designated for the exclusive use of MADNs and allows them to use three port as well as six port conference circuits.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)****8.4.4.13 Conference Services (cont.)****8.4.4.13.2 Station Controlled (cont.)**

8.4.4.13.2.2 Preset Conference - Allows a Centrex station line, trunk, or attendant console, to establish a conference call with a maximum of 25 conferees by dialing a specific directory number. The dialing of the DN invokes simultaneous ringing of the preselected conferees. The conferees are specified and notified in advance.

8.4.4.14 Customized Call Diverting - Enables the customer to block or allow one or more NPA and/or NXX numbers when these numbers are dialed by selected stations within the customer group.

8.4.4.15 Direct Inward System Access (DISA) Service - Allows users outside Centrex Service system to access the Centrex Service system by dialing predetermined Network Access Lines. DISA requires two additional Optional System Features, Authorization Codes and Station Message Detail Recording (SMDR) Service. A Directory Telephone Number is required for each access arrangement to an Centrex Service System, i.e., three simultaneous calls to the DISA service will require three telephone numbers.

8.4.4.15.1 The DISA service includes the following features:

8.4.4.15.1.1 Invalid Authorization Code Treatment - routes incoming calls to optional announcement. The optional announcement may provide additional information as to why the call was not completed.

8.4.4.15.1.2 Time out of Incoming Calls - routes incoming calls that time out waiting for digits to be dialed to an attendant or an optional announcement.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)**

- 8.4.4.16 Do Not Disturb** - An arrangement that intercepts incoming calls to a Centrex line(s) during specified periods of time when a station user(s) does not want to be disturbed. This arrangement can be provisioned for individual lines or groups of lines. This feature may be activated/deactivated via a key by the station user.
- 8.4.4.17 Electronic Directory Interface (EDI) Service** - Provides station users and the attendant(s) the ability to communicate with an electronic directory. This arrangement is available to calls originated within the Centrex Service system. The EDI Interface, located in the Company's central office, routes calls for directory information to a customer provided processor.
- 8.4.4.17.1 Electronic Directory** - provides for the following on ISDN lines associated with properly equipped customer provided sets:
- 8.4.4.17.1.1 Calling Name Display** - provides the name and directory number of the calling party to be displayed.
- 8.4.4.17.1.2 Direct Query Display** - allows the station user with a properly equipped customer provided set to query for a person's directory number.
- 8.4.4.17.1.3 Automatic Calling** - permits the party associated with the information being displayed to be called during a directory query without dialing the designated directory telephone number.
- 8.4.4.18 High Speed Data Service** - An arrangement that provides digital, full-duplex synchronous data transmission within a Centrex Service System, at speeds of 1.2 Kbps to 56 Kbps and asynchronous data transmission at speeds of 100 bps to 19.2 Kbps over a standard twisted pair loop. High Speed Data Service requires appropriately equipped Customer Provided Equipment. High Speed Data Service may be used to access Public Switched Digital Services.
- 8.4.4.19 Music On Hold Interface** - An arrangement that allows access to Customer Provided Equipment that provides a continuous broadcast of music when a caller is placed on hold. Customer Premises Announcements are required per unique music source.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)**

- 8.4.4.20 Network Speed Calling** - Allows up to 1000 numbers per system to be accessed via individual lists of up to 100 numbers each.
- 8.4.4.21 Outgoing Deluxe Trunk Queuing** - An arrangement that allows station users to have their outgoing call held in queue, by dialing a code, when the associated outgoing facilities are in use. This arrangement provides station users with "off-hook" or "on-hook" queuing for busy outgoing facilities. A queue slot is required for each call held in queue.
- 8.4.4.21.1** The following options are available for calls that are held in "off-hook" queue:
- 8.4.4.21.2 Silence on Queue** - provides silence when calls are held in queue. This arrangement is standard unless the customer elects Music on Queue or Recorded Announcement.
- 8.4.4.21.3 Music on Queue** - is an interface that provides for the connection with customer provided music equipment.
- 8.4.4.21.4 Recorded Announcement** - provides for one continuous repeating type announcement.
- 8.4.4.21.5 Priority Queuing** - station lines, equipped with this option have originating priority and their calls are loaded into queue ahead of non-priority calls. When the queue is full, priority calls route to overflow tone or to the DDD network.
- 8.4.4.22 Personal Call Screening** - Allows a station to whom another station's calls are being forwarded, to transfer the call back to the forwarding station, overriding the forwarding feature.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)****8.4.4.23 Private Facility Access Termination****8.4.4.23.1 Line Side Access Connections**

- 8.4.4.23.1.1 Code Call Access** - permits station users and attendants to dial an access code and a called party code to activate customer provided audible and visible signaling devices.
- 8.4.4.23.1.2 Dial Dictation Access** - provides station users access to customer provided dictation recording equipment by dialing an access code.
- 8.4.4.23.1.3 Loudspeaker Paging Access** - allows stations and attendants to access customer provided loudspeaker paging equipment located on the customer's premises by dialing an access code.
- 8.4.4.23.1.4 Radio Paging Access** - allows stations and attendants to access customer provided and radio paging equipment located on the customer's premises by dialing a Centrex station number.

8.4.4.23.2 Trunk Side Access Connections - The following trunk side access connections are available in either analog or digital format as outlined below:

- 8.4.4.23.2.1 Advanced Private Line Access** - connects tie lines, private line facilities and access lines from switched private line services to Centrex dial switching equipment. It may also be used when compatible with and required for termination of facilities by Other Common Carriers (OCCs).
- 8.4.4.23.2.2 Radio Paging Access** - provides station users and attendants the capability to access customer provided and radio paging equipment located on the customers premises via an access code.
- 8.4.4.23.2.3 Tandem Tie Line Access** - allows tandem connection of special service circuits dedicated to a customer group.

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)****8.4.4.23 Private Facility Access Termination (cont.)****8.4.4.23.2 Trunk Side Access Connections (cont.)**

8.4.4.23.2.4 Tie Line Access - allows connection of special service circuits dedicated to a customer group.

8.4.4.23.2.5 DS1 Connection - is a termination used to connect dial type tie lines or Other Common Carrier (O-CC) private communication services to a Centrex System. The termination can accommodate twenty-four channels, each dedicated to a specific service.

8.4.4.23.2.6 PRI Connection - is an ISDN Primary Rate 1.544 Mbps termination between two (2) central offices. It is used to connect tie lines, private switched network access lines, and Interexchange Carrier (IXC) private communication services to a Centrex system. The termination can accommodate twenty-three 64 Kbps "B" channels for circuit switching and one 64 Kbps "D" channel (23B+D) or twenty-four 64 Kbps "B" channel where "D" channels

8.4.4.23.2.7 Channel Backup Arrangement - provides backup for primary "D" channel under those circumstances where three or more PRI Connections share a single "D" channel. A predetermined channel on another PRI Connection would automatically take over call control and signaling functions.

8.4.4.23.2.8 Network Ring Again - allows a station user that places a call over the PRI Connection to a busy station line at a distant PRI terminating location to be connected to the called station line without redialing when both the called and calling station lines become available.

8.4.4.23.2.9 Network Name Display - allows a station user that laces a call over the PRI Connection to a station line at a distant PRI terminating location to view the callees name on a properly equipped customer provided set.

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8 Centrex Services (cont.)8.4 Features (cont.)8.4.4 System Features (cont.)8.4.4.23 Private Facility Access Termination (cont.)8.4.4.23.3 Other Private Facility Access Connections

8.4.4.23.3.1 Foreign Exchange/Feature Group A (FX/FGA) - provides access to/from an FX/FGA line. Station users have the ability to transfer a foreign exchange call.

8.4.4.23.3.2 OUTWATS Access - allows a station user access to OUTWATS services dedicated to a customer group by dialing an access code.

8.4.4.24 Queue Slots - Queue slots are dedicated time slots in the central office, used to hold calls in a delayed state until a call can be further processed. A queue slot is required for each call to be held in queue. Calls in Queue may be provided a recorded announcement or music.

8.4.4.25 Special Intercept Service - Allows the customer to provide an individual message when a station has been taken out of service. This feature provides access to the announcement and requires either a customer designated central office recorded announcement or an interface to customer premises recorded announcement facilities.

8.4.4.26 Split Service - Permits segregation of station lines into separate groups, using an additional common block/customer group, enabling each separate group to have a different set of common system features.

8.4.4.27 Supplemental Three Digit Dialing - Available on a Centrex system arranged for four- or five- digit intercom dialing. Three-digit dialing is provided as a means to reach an emergency station line on the same system, such as fire, police, etc.

8.4.4.28 Trunk Verification from Designated Station - An arrangement that provides audible transmission level testing for originating and terminating trunk groups or a trunk within a trunk group for trunks associated with a Centrex system by a designated station user(s).

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8 Centrex Services (cont.)**8.4 Features (cont.)****8.4.4 System Features (cont.)**

8.4.4.29 Uniform Call Distribution (UCD) - Provides for the even distribution of incoming calls to all groups of lines arranged in a special hunting arrangement. Queuing may be provided with the addition of queue slots. The UCD capability may be provided with Electronic Key Line Service.

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

8.5 Technical References - Customer Provided Equipment (CPE) compatibility requirements are listed in Ameritech Technical References. All Customer Provided Equipment used to interface with Centrex Service is required to conform with the Technical Reference Specifications as used by Ameritech and found in the following Technical references:

Subject	Technical Reference
Caller ID - Display	AM-TR-TSY-000030
	AM-TR-TSY-000031
Data	AM-TR-NPL-850005
Electronic Key (Non-ISDN)	AM-TR-NPL-850004
ISDN Console	AM-TR-NPL-850006
ISDN Interface	AM-TR@NIS-000068

The Technical Reference can be obtained from:
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8 Centrex Services (cont.)

8.6 Prices - The following prices are applicable to standard installations of Centrex Service and are in addition to all other charges for associated services and equipment necessary to provide telecommunications service. The total charge per Primary Station is the sum of the appropriate Network Access, Intercom line and Intercommunication charges (Basic lines, Electronic Key lines, ISDN Custom and National lines). Refer to the Other Applicable Charges section for additional charges associated with the provision of Centrex Service.

8.6.1 System Charge - The System Charge is applicable to the establishment of any new Centrex system and to any relocation of an entire Centrex system, unless the customers relocation is within the serving central office boundary. The System Charge will be determined at time of installation based on the total number of equipped and reserved telephone numbers. A System Charge applies to each Centrex Service arrangement or common block.

8.6.2 System Conversion Charges

8.6.2.1 When a customer converts existing service as a billing conversion only, service remains configured exactly as it currently exists, with no additional features (Centrex Mate is not provided). The Service Order Charge and the Recurring System Charge apply.

8.6.2.2 When a customer converts service, adding new features, and the customer programs the new line features with Centrex Mate, the Service Order Charge, the Non-Recurring System Conversion Charge and the Recurring System Charge apply.

8.6.2.3 When the customer converts service, adding new features, and the Company programs the new line features, the Service Order Charge, the Non-Recurring System Conversion Charge, the Recurring System Charge and the Appropriate Line Programming Charge apply.

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8 Centrex Service (cont.)8.6 Prices (cont.)8.6.2 System Conversion Charges (cont.)

Intercom Lines - The quantity of Centrex Intercom lines is determined by the Company by subtracting the number of Centrex network access lines from the total number of Centrex stations in service. The Intercom line price and the associated discounts are determined by access area and quantity of Centrex Station Lines. Omnipresence applications do not require Intercom Lines.

Monthly Price per Intercom Line - Access Area

Intercom Lines	A	A	B	B	C	C	D	D
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
2 -47	For	For	\$10.40	\$15.60	\$11.20	\$16.80	\$12.00	\$18.00
48 -95	Future	Future	\$10.40	\$15.60	\$11.20	\$16.80	\$12.00	\$18.00
96 -199	Use	Use	\$10.40	\$15.60	\$11.20	\$16.80	\$12.00	\$18.00
200 -293			\$10.40	\$15.60	\$11.20	\$16.80	\$12.00	\$18.00
294 -387			\$10.40	\$15.60	\$11.20	\$16.80	\$12.00	\$18.00
388 -579			\$10.40	\$15.60	\$11.20	\$16.80	\$12.00	\$18.00
580 - above			\$10.40	\$15.60	\$11.20	\$16.80	\$12.00	\$18.00

8.6.3 Service ElementsTerm Payment Plans-Monthly Payment

Description	NRC	NRC	1 Mo.	1 Mo.	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
System	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
Charges										
per system										
2- 50 lines	\$200.00	\$300.00	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00
51-100 lines	\$320.00	\$480.00	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00
101-200 lines	\$480.00	\$690.00	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00
201-500 lines	\$800.00	\$1,200.00	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00
501 or more	\$1,200.00	\$1,800.00	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00
lines or										
per Omnipresence										
Remote System,										
remote lines	\$80.00	\$120.00	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00

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8 Centrex Service (cont.)8.6 Prices (cont.)8.6.3 Service Elements (cont.)

Description	Term Payment Plans - Monthly Payment									
	NRC	NRC	1 Mo.	1 Mo.	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
System Conversion Charge - Per System										
2-50 lines	\$80.00	\$120.00								
51-100 lines	\$160.00	\$240.00								
101-200 lines	\$220.00	\$330.00								
201-500 lines	\$800.00	\$1200.00	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00
501 or more lines	\$1200.00	\$1800.00	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00

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8 Centrex Service (cont.)8.6 Prices (cont.)8.6.3 Service Elements (cont.)

Description	Term Payment Plans - Monthly Payment									
	NRC	NRC	1 Mo.	1 Mo.	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
Centrex Lines, each										
7+ line categories include Centrex Mate										
Basic Line										
2+ line category	\$9.60	\$14.40	\$6.20	\$9.30	\$6.20	\$9.30	\$6.20	\$9.30	\$6.20	\$9.30
7+ line category	\$9.60	\$14.40	\$6.20	\$9.30	\$6.20	\$9.30	\$6.20	\$9.30	\$6.20	\$9.30
25+ line category	\$9.60	\$14.40	\$6.20	\$9.30	\$6.20	\$9.30	\$6.20	\$9.30	\$6.20	\$9.30
50+ line category	\$9.60	\$14.40	\$6.20	\$9.30	\$6.20	\$9.30	\$6.20	\$9.30	\$6.20	\$9.30
100+ line category	\$9.60	\$14.40	\$6.20	\$9.30	\$6.20	\$9.30	\$6.20	\$9.30	\$6.20	\$9.30
200+ line category	\$9.60	\$14.40	\$6.20	\$9.30	\$6.20	\$9.30	\$6.20	\$9.30	\$6.20	\$9.30
Electronic Key Line	\$9.60	\$14.40	\$8.80	\$13.20	\$8.80	\$13.20	\$8.80	\$13.20	\$8.80	\$13.20
2+ line category	\$8.80	\$14.40	\$8.80	\$13.20	\$8.80	\$13.20	\$8.80	\$13.20	\$8.80	\$13.20
7+ line category	\$8.80	\$14.40	\$8.80	\$13.20	\$8.80	\$13.20	\$8.80	\$13.20	\$8.80	\$13.20
25+ line category	\$8.80	\$14.40	\$8.80	\$13.20	\$8.80	\$13.20	\$8.80	\$13.20	\$8.80	\$13.20
50+ line category	\$8.80	\$14.40	\$8.80	\$13.20	\$8.80	\$13.20	\$8.80	\$13.20	\$8.80	\$13.20
100+ line category	\$9.60	\$14.40	\$8.80	\$13.20	\$8.80	\$13.20	\$8.80	\$13.20	\$8.80	\$13.20

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Original Sheet No. 421

8 Centrex Service (cont.)8.6 Prices (cont.)8.6.3 Service Elements (cont.)

Description	Term Payment Plans - Monthly Payment									
	NRC	NRC	1 Mo.	1 Mo.	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
200+ line category	\$9.60	\$14.40	\$8.80	\$13.20	\$8.80	\$13.20	\$8.80	\$13.20	\$8.80	\$13.20
Exchange Access (subject to trunk equivalency)										
Area B	\$0.00	\$0.00	\$14.96	\$22.44	\$14.96	\$22.44	\$14.96	\$22.44	\$14.96	\$22.44
Area C	\$0.00	\$0.00	\$16.56	\$24.84	\$16.56	\$24.84	\$16.56	\$24.84	\$16.56	\$24.84
Area D	\$0.00	\$0.00	\$16.56	\$24.84	\$16.56	\$24.84	\$16.56	\$24.84	\$16.56	\$24.84
SDN Custom Line										
2+ line category	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30
7+ line category	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30
25+ line category	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30
50+ line category	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30

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8 Centrex Service (cont.)8.6 Prices (cont.)8.6.3 Service Elements (cont.)

Description	Term Payment Plans - Monthly Payment									
	NRC	NRC	1 Mo.	1 Mo.	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
100+ line category	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30
200+ line category	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30
ISDN National Line	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30
2+ line category	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30
7+ line category	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30
25+ line category	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30
50+ line category	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30
100+ line category	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30
200+ line category	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30

An ISDN line requires an ISDN Service to make the line operational.

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Section 8 - Centrex Services

Original Sheet No. 423

8 Centrex Service (cont.)

8.6 Prices (cont.)

8.6.3 Service Elements (cont.)

Description	Term Payment Plans - Monthly Payment									
System Charges	NRC	NRC	1 Mo.	1 Mo.	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
OmniPresence Remote Location Basic Line										
2-6 line category			\$6.40	\$9.60	\$6.40	\$9.60	\$6.40	\$9.60	\$6.40	\$9.60
7-24 line category			\$6.40	\$9.60	\$6.24	\$9.36	\$6.16	\$9.24	\$6.12	\$9.18
OmniPresence Remote Location-National ISDN Line										
2-6 line category	\$12.00	\$18.00	\$7.88	\$11.82	\$7.88	\$11.82	\$7.88	\$11.82	\$7.88	\$11.82
7-24 line category	\$12.00	\$18.00	\$7.88	\$11.82	\$7.72	\$11.58	\$7.64	\$11.48	\$7.60	\$11.40
SDN National Line	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30
2+ line category	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30
7+ line category	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30
25+ line category	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30
50+ line category	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30
100+ line category	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30

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8 Centrex Service (cont.)8.6 Prices (cont.)8.6.3 Service Elements (cont.)

Description	Term Payment Plans - Monthly Payment									
	NRC	NRC	1 Mo.	1 Mo.	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
200+ line category	\$43.20	\$64.80	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30	\$12.20	\$18.30
Circuit Switched Voice per "B" channel equipped	\$20.00	\$30.00	\$3.76	\$5.64	\$3.52	\$5.28	\$3.44	\$5.16	\$3.32	\$4.98
Circuit Switched Data per "B" channel equipped	\$16.00	\$24.00	\$7.20	\$10.80	\$6.80	\$10.20	\$6.40	\$9.60	\$6.00	\$9.00
Alternate Circuit Switched Voice/Circuit Switched Data per "B" channel equipped	\$20.00	\$30.00	\$8.40	\$12.60	\$8.00	\$12.00	\$7.60	\$11.40	\$7.20	\$10.80
Packet Switched Data per "B" channel equipped	\$80.00	\$120.00	\$69.60	\$104.40	\$65.60	\$98.40	\$61.60	\$92.40	\$57.60	\$86.40
Packet Switched Data per "D" channel enabled	\$16.00	\$24.00	\$5.20	\$7.80	\$4.80	\$7.20	\$4.80	\$6.90	\$4.72	\$7.08

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8 Centrex Service (cont.)8.6 Prices (cont.)8.6.3 Service Elements (cont.)8.6.3.1 Optional Line Features (cont.)

Description	<u>Term Payment Plans - Monthly Payment</u>									
ISDN Services	NRC	NRC	1 Mo.	1 Mo.	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
On Demand Packet Switched Data "B" channel, per "B" channel	\$20.00	\$30.00	\$20.00	\$30.00	\$18.00	\$27.00	\$17.20	\$25.80	\$16.40	\$24.60

Description	<u>Term Payment Plans - Monthly Payment</u>			
ISDN Services	NRC	NRC	1 Mo.	1 Mo.
	Min.	Max.	Min.	Max.
Add On Modules • 10 or 18 Button • 20, 22 or 36 Button	\$40.00 \$80.00	\$60.00 \$120.00		
Call Forward Over Private Facilities	\$4.00	\$6.00	\$3.20	\$4.80
Call Request with Queue • per line • per system	\$76.00	\$114.00	\$0.80	\$1.20
Caller ID on Non ISDN Lines				
1-6 lines, per line			\$2.60	\$3.90

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8 Centrex Service (cont.)8.6 Prices (cont.)8.6.3 Service Elements (cont.)8.6.3.1 Optional Line Features (cont.)

Description	Term Payment Plans - Monthly Payment			
	NRC	NRC	1 Mo.	1 Mo.
	Min.	Max.	Min.	Max.
7-11 lines, per line			\$1.16	\$1.74
12-19 lines, per line			\$0.82	\$1.38
20-95 lines, per line			\$0.80	\$1.20
96 and over, per line			\$0.64	\$0.96
Calling Name Display on Intercom	\$4.00	\$6.00	\$0.20	\$0.30
CLASS Visual Message Waiting Indicator per line			\$0.80	\$1.20
Direct Connect Originating, per line	\$4.40	\$6.60	\$0.80	\$1.20
Direct Connect Originating with Delay, per line	\$4.40	\$6.60	\$0.80	\$1.20

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8 Centrex Service (cont.)8.6 Prices (cont.)8.6.3 Service Elements (cont.)8.6.3.1 Optional Line Features (cont.)

Description	Term Payment Plans - Monthly Payment			
	NRC		1 Mo.	
	Min.	Max.	Min.	Max.
ISDN Services				
Direct Station Selection/Busy Lamp Field with Fast Transfer	\$80.00	\$120.00	\$7.20	\$10.80
Distance Extension Per Electronic Key Line			\$20.80	\$31.20
Per ISDN Custom or National Line			\$20.80	\$31.20
Executive Display Communications			\$0.40	\$0.80
Ground Start Line	\$4.00	\$8.00	\$8.00	\$12.00

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Original Sheet No. 428

8 Centrex Service (cont.)8.6 Prices (cont.)8.6.3 Service Elements (cont.)8.6.3.1 Optional Line Features (cont.)

	NRC	NRC	1 Mo.	1 Mo.
	Min.	Max.	Min.	Max.
Make Busy Key (Certain switch types may require a Dedicated Communications Services channel)	\$1.80	\$2.40	\$4.40	\$6.60
Message Waiting Indication Lamp (Certain switch types may require a Dedicated Communications Services channel)	\$4.00	\$6.00	\$1.32	\$1.98
Message Appearance Directory Number - Multiple Call Arrangement	\$4.00	\$6.00	\$0.20	\$0.30
Premium Feature Package per line or "B" channel service	\$4.00	\$6.00	\$0.80	\$1.20
Query Busy Station, per queued station/QB2/	\$8.00	\$9.00	\$1.20	\$1.80

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8 Centrex Service (cont.)**8.6 Prices (cont.)****8.6.3 Service Elements (cont.)****8.6.3.1 Optional Line Features (cont.)**

	NRC	NRC	Monthly Price	Monthly Price
	Min.	Max.	Min.	Max.
Secondary Directory Telephone Number, each			\$0.20	\$0.30
Speed Calling-Long	\$8.60	\$12.90	\$0.32	\$0.48
Speed Calling-Expanded Number Group	\$8.60	\$12.90	\$0.48	\$0.72
Stop Hunt Key (Certain switch types may require a Dedicated Communications Services channel)	\$1.60	\$2.40	\$3.96	\$5.94
Optional ISDN Data Features - Provided on a per feature basis				
Alternate Access	\$4.00	\$6.00	\$2.40	\$3.60
Queuing	\$8.00	\$12.00	\$0.80	\$1.20
Optional ISDN Packet Feature - provided on a per feature basis				

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8 Centrex Service (cont.)8.6 Prices (cont.)8.6.3 Service Elements (cont.)8.6.3.1 Optional Line Features (cont.)

	NRC	NRC	Monthly Price	Monthly Price
	Min.	Max.	Min.	Max.
Closed User Group Individual Design Member (requires individual design)			\$0.80	\$1.20
Direct Call			\$0.80	\$1.20
Permanent Virtual Circuit			\$0.80	\$1.20
Stop Hunt Key (Certain switch types may require a Dedicated Communications Services channel)	\$1.60	\$2.40	\$3.96	\$5.94
Optional ISDN Data Features - Provided on a per feature basis				
Alternate Access	\$4.00	\$6.00	\$2.40	\$3.60
Queuing	\$8.00	\$12.00	\$0.80	\$1.20
Centrex Mate (all stations must be equipped) per system per station	\$480.00	\$720.00	\$48.00 \$0.32	\$72.00 \$0.48

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Section 8 - Centrex Services

Original Sheet No. 431

8 Centrex Service (cont.)8.6 Prices (cont.)8.6.3 Service Elements (cont.)8.6.3.1 Optional Line Features (cont.)

	NRC	NRC	Monthly Price	Monthly Price
	Min.	Max.	Min.	Max.
Centrex Message Signal Interface (CMSI) per system 1200 baud per system 9600 baud (requires Dedicated Communications Service channel)	\$780.00 \$1,380.00	\$1,170.00 \$2,040.00	\$120.00 \$880.00	\$180.00 \$1,320.00

Description	Term Payment Plan - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Centrex Mate (all stations must be equipped) per system per station	\$48.00 \$0.32	\$72.00 \$0.48	\$48.00 \$0.32	\$72.00 \$0.48	\$48.00 \$0.32	\$72.00 \$0.48
Centrex Message Signal Interface (CMSI) per station 1200 baud per station 9600 baud (requires Dedicated Communications Service channel)	\$115.20 \$880.00	\$172.80 \$1,020.00	\$112.00 \$620.00	\$168.00 \$930.00	\$108.00 \$436.00	\$162.00 \$654.00

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Section 8 - Centrex Services

Original Sheet No. 432

8 Centrex Service (cont.)8.6 Prices (cont.)8.6.3 Service Elements (cont.)8.6.3.1 Optional Line Features (cont.)

	NRC	NRC	Monthly Price	Monthly Price
	Min.	Max.	Min.	Max.
Centrex Message Signal Interface Expanded(CMSI-E) per system 1200 baud Each CO after 5	\$1,760.00	\$2,640.00	\$3,280.00 \$640.00	\$4,920.00 \$960.00
per system 9600 baud Each CO after 5	\$2,080.00	\$3,120.00	\$3,920.00 \$640.00	\$5,880.00 \$960.00

Description	Term Payment Plan - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Centrex Message Signal Interface Expanded (CMSI-E) per system 1200 baud Each CO after 5	\$1,820.00 \$292.00	\$2,730.00 \$438.00	\$1,596.00 \$240.00	\$2,394.00 \$360.00	\$1,200.00 \$200.00	\$1,800.00 \$300.00
per system 9600 baud Each CO after 5	\$2,316.00 \$292.00	\$3,474.00 \$438.00	\$1,940.00 \$240.00	\$2,910.00 \$360.00	\$1,520.00 \$200.00	\$2,280.00 \$300.00

(Requires Dedicated Communications Services channel).

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Section 8 - Centrex Services

Original Sheet No. 433

8 Centrex Service (cont.)8.6 Prices (cont.)8.6.3 Service Elements (cont.)

8.6.3.1 Virtual Network (VN) - The following equation based on CCS and distance is used to determine the applicable monthly charge. The number of lines located 0 to 15 miles and 15 or more miles from the Hub location are used in the equation.

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

CCS Values

CCS	0-15 Mile		15+ Miles	
	Min.	Max.	Min.	Max.
Max 2.5	\$1.76	\$2.64	\$4.32	\$6.48
Max 3.5	\$2.64	\$3.96	\$6.48	\$9.72
Max 4.5	\$3.52	\$5.28	\$8.64	\$12.96
Max 5.5	\$4.40	\$6.60	\$10.80	\$16.20
Max 8.0	\$6.16	\$9.24	\$15.12	\$22.68

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Original Sheet No. 434

8 Centrex Service (cont.)**8.6 Prices (cont.)****8.6.3 Service Elements (cont.)****8.6.1.3 Virtual Network (VN) (cont.)**

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

<u>Line Size</u>	<u>3 Year</u>	<u>5 Year</u>	<u>7 Year</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%

Nonrecurring Charges and charges/prices for optional Out of Network Numbers are found under the Area Wide Networking feature described elsewhere in this offering.

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8 Centrex Service (cont.)8.6 Prices (cont.)8.6.3 Service Elements (cont.)8.6.3.1.2 Omnipresence VN

	NRC	NRC	Monthly Price	Monthly Price
	Min.	Max.	Min.	Max.
Omnipresence VN				
Remote OmniPresence VN per line/channel			\$12.00	\$18.00
Hub OmniPresence VN Per each channel				
0-8 CCS			\$34.40	\$51.60
6.01 - 9 CCS			\$54.00	\$81.00
9.01 - 12 CCS			\$72.00	\$108.00

8.6.4 Other Service Elements

	NRC	NRC	Monthly Price	Monthly Price
	Min.	Max.	Min.	Max.
Announcement Services Customer Premises Announcement per announcement (requires a Dedicated Communications Channel)	\$148.00	\$222.00	\$14.40	\$21.60

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8 Centrex Service (cont.)8.6 Prices (cont.)8.6.4 Other Service Elements (cont.)

	NRC	NRC	Monthly Price	Monthly Price
	Min.	Max.	Min.	Max.
Central Office Recorded Announcement per announcement	\$56.00	\$84.00	\$32.00	\$48.00
Secondary Announcement per announcement	\$56.00	\$84.00	\$32.00	\$48.00
Assume Dial "9" per system, per line (required on all lines)	\$4.00	\$6.00	\$6.00	\$9.00

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Original Sheet No. 437

8 Centrex Service (cont.)8.6 Prices (cont.)8.6.4 Other Service Elements (cont.)

Description	Term Payment Plan - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Announcement Services Customer Premises Announcement per announcement (requires a Dedicated Communications Channel)	\$13.60	\$20.40	\$12.80	\$19.20	\$12.00	\$18.00
Central Office Recorded Announcement per announcement	\$29.60	\$44.40	\$27.20	\$40.80	\$24.00	\$36.00
Secondary Announcement per announcement	\$29.60	\$44.40	\$27.20	\$40.80	\$24.00	\$36.00
Assume Dial "9" per system, per line (required on all lines)	\$6.00	\$9.00	\$6.00	\$9.00	\$6.00	\$9.00

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Section 8 - Centrex Services

Original Sheet No. 438

8 Centrex Service (cont.)**8.6 Prices (cont.)****8.6.4 Other Service Elements (cont.)**

	NRC	NRC	Monthly Price	Monthly Price
	Min.	Max.	Min.	Max.
Attendant Console Digital, each (Requires 3 Basic Lines)	\$400.00	\$600.00	\$176.00	\$264.00
ISDN, each (Requires 1 ISDN line)	\$1,200.00	\$1,800.00	\$176.00	\$264.00
Optional Features				
Attendant Call Detail Entry, per console	\$16.00	\$24.00	\$2.40	\$3.60
Attendant Conference (30 port), each (Requires conference service components)	\$16.00	\$24.00	\$6.40	\$9.60
Direct Station Selection and Busy Lamp Field per 100 stations	\$40.00	\$60.00	\$2.00	\$3.00

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Section 8 - Centrex Services

Original Sheet No. 439

8 Centrex Service (cont.)8.6 Prices (cont.)8.6.4 Other Service Elements (cont.)

Description	Term Payment Plan - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Attendant Console Digital, each (Requires 3 Basic Lines)	\$144.00	\$216.00	\$132.00	\$198.00	\$120.00	\$180.00
ISDN, each (Requires 1 ISDN line)	\$144.00	\$216.00	\$132.00	\$198.00	\$120.00	\$180.00
Optional Features						
Attendant Call Detail Entry, per console	\$2.40	\$3.60	\$2.40	\$3.60	\$2.40	\$3.60
Attendant Conference (30 port), each	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00
Direct Station Selection and Busy Lamp Field per 100 stations	\$2.00	\$3.00	\$2.00	\$3.00	\$2.00	\$3.00

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Original Sheet No. 440

8 Centrex Service (cont.)8.6 Prices (cont.)8.6.4 Other Service Elements (cont.)

	NRC	NRC	Monthly Price	Monthly Price
	Min.	Max.	Min.	Max.
Multiposition Hunt per group per position	\$40.00	\$60.00	\$2.00	\$3.00
Name Display for Attendant Console per console	\$200.00	\$300.00	\$16.00	\$24.00
Operational Measurements per console	\$200.00	\$300.00	\$16.00	\$24.00
Direct Station Selection and Busy Lamp Field per 100 stations	\$40.00	\$60.00	\$2.00	\$3.00

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Original Sheet No. 441

8 Centrex Service (cont.)8.5 Prices (cont.)8.5.4 Other Service Elements (cont.)

Description	Term Payment Plan - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Multiposition Hunt per group per position						
Name Display for Attendant Console per console	\$16.00	\$24.00	\$16.00	\$24.00	\$16.00	\$24.00
Operational Measurements per console	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00
ARS Basic Initial Pattern	\$6.00	\$9.00	\$4.80	\$7.20	\$4.00	\$6.00
Additional Pattern Digit 1 Delivery	\$2.40	\$3.60	\$2.00	\$3.00	\$1.60	\$2.40
ARS Deluxe per system	\$24.00	\$36.00	\$19.20	\$28.80	\$16.00	\$24.00
Routing Arrangements						
Additional ARS pattern, each	\$2.40	\$3.60	\$2.00	\$3.00	\$1.60	\$2.40
DDDD Dialing per system	\$20.00	\$30.00	\$20.00	\$30.00	\$20.00	\$30.00

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Section 8 - Centrex Services

Original Sheet No. 442

8 Centrex Service (cont.)8.6 Prices (cont.)8.6.4 Other Service Elements (cont.)

Description	Term Payment Plan - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Seven to Ten digit screening per translation						
Time of Day routing per schedule	\$7.60	\$11.40	\$7.20	\$10.80	\$6.80	\$10.20

	NRC	NRC	Monthly Price	Monthly Price
	Min.	Max.	Min.	Max.
Call Forwarding Multi-Path per system, forwarding arrangement	\$40.00	\$80.00	\$4.00	\$6.00
Call Waiting Lamp interface	\$1,200.00	\$1,800.00	\$176.00	\$264.00
Optional Features				
Attendant Call Detail Entry, per console	\$16.00	\$24.00	\$2.40	\$3.60
Attendant Conference (30 port), each (Requires conference service components)	\$16.00	\$24.00	\$2.40	\$3.60

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Original Sheet No. 443

8 Centrex Service (cont.)8.6 Prices (cont.)8.6.4 Other Service Elements (cont.)

Description	Term Payment Plan - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Direct Station Selection and Busy Lamp Field per 100 stations	\$40.00	\$80.00	\$2.00	\$3.00		
Attendant Console Digital, each (Requires 3 basic lines)	\$144.00	\$216.00	\$132.00	\$198.00	\$120.00	\$180.00
ISDN, each (Requires 1 ISDN line)	\$144.00	\$216.00	\$132.00	\$198.00	\$120.00	\$180.00
Operational Features						
Attendant Call Detail Entry, per console	\$2.40	\$3.60	\$2.40	\$3.60	\$2.40	\$3.60
Attendant Conference (30 port), each (Requires conference service components)	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00
Direct Station Selection and Busy Lamp Field per 100 stations	\$2.00	\$3.00	\$2.00	\$3.00	\$2.00	\$3.00

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Original Sheet No. 444

8 Centrex Service (cont.)

8.6 Prices (cont.)

8.6.4 Other Service Elements (cont.)

	NRC	NRC	Monthly Price	Monthly Price
	Min.	Max.	Min.	Max.
Multi-Position Hunt per group per position	\$40.00	\$80.00	\$2.00	\$3.00
Name Display for Attendant Console per console	\$200.00	\$300.00	\$16.00	\$24.00
Operational Measurements per console	\$52.00	\$78.00	\$4.00	\$6.00
Attendant Call Detail Entry, per console	\$16.00	\$24.00	\$2.40	\$3.60

Description	Term Payment Plan - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Multi-position Hunt per group per position						
Name Display for Attendant Console per console	\$16.00	\$24.00	\$16.00	\$24.00	\$16.00	\$24.00

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8 Centrex Service (cont.)8.6 Prices (cont.)8.6.4 Other Service Elements (cont.)

Description	Term Payment Plan - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Operational Measurements per console	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00
Attendant Conference (30 port), each (Requires conference service components)	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00

Description	Term Payment Plan - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
ARS Basic						
Initial Pattern	\$6.00	\$9.00	\$4.80	\$7.20	\$4.00	\$6.00
Additional Pattern	\$2.40	\$3.60	\$2.00	\$3.00	\$1.60	\$2.40
Digit 1 Delivery						
ARS Deluxe per system	\$24.00	\$36.00	\$19.20	\$28.80	\$16.00	\$24.00
Routing Arrangements						
Additional ARS pattern each	\$2.40	\$3.60	\$2.00	\$3.00	\$1.60	\$2.40

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8 Centrex Service (cont.)8.6 Prices (cont.)8.6.4 Other Service Elements (cont.)

Description	Term Payment Plan - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
DDD Dialing per system	\$20.00	\$30.00	\$20.00	\$30.00	\$20.00	\$30.00
Seven to Ten digit screening per translation						
Time of Day routing per schedule	\$7.60	\$11.40	\$7.20	\$10.80	\$6.80	\$10.20
Digit 1 Delivery						
Other available options are 900 Special Access and/or 976						

	NRC	NRC	Monthly Price	Monthly Price
	Min.	Max.	Min.	Max.
Call Forwarding Multi- Path per system, forwarding arrangement	\$40.00	\$60.00	\$4.00	\$6.00
Call Waiting Lamp Interface	\$40.00	\$60.00	\$4.80	\$7.20

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8 Centrex Service (cont.)8.6 Prices (cont.)8.6.4 Other Service Elements (cont.)

	NRC	NRC	Monthly Price	Monthly Price
	Min.	Max.	Min.	Max.
Centrex Station Identification (CSI) per CTX tie line group equipped	\$1,200.00	\$1,800.00		

Description	Term Payment Plan - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Call Forwarding Multi-Path per system, forwarding arrangement	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00
Call Waiting Lamp Interface per unique timing state (Requires a Dedicated Communications Services Channel)	\$4.80	\$7.20	\$4.80	\$7.20	\$4.80	\$7.20
Centrex Station Identification (CSI) per CTX tie line group equipped						

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Original Sheet No. 448

8 Centrex Service (cont.)8.8 Prices (cont.)8.8.4 Other Service Elements (cont.)

	NRC	NRC	Monthly Price	Monthly Price
	Min.	Max.	Min.	Max.
High Speed Data per line	\$335.20	\$502.80	\$9.60	\$14.40
Music On Hold Interface per system (Requires a Dedicated Communications Services channel)	\$148.00	\$222.00	\$14.40	\$21.60
Network Speed Calling per 100 number block speed call list, or fraction thereof	\$80.00	\$120.00	\$2.00	\$3.00
Outgoing Deluxe Trunk Queing per termination	\$160.00	\$240.00	\$2.00	\$3.00
Personal Call Screening per group	\$40.00	\$60.00	\$4.00	\$6.00

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Section 8 - Centrex Services

Original Sheet No. 449

8 Centrex Service (cont.)

8.6 Prices (cont.)

8.6.4 Other Service Elements (cont.)

Description	Term Payment Plan - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
High Speed Data per line	\$8.00	\$12.00	\$7.60	\$11.40	\$7.60	\$11.40
Music on Hold Interface per system (Requires a Dedicated Communications Services channel)	\$12.80	\$19.20	\$12.80	\$19.20	\$12.80	\$19.20
Network Speed Calling per 100 number block speed call list, or fraction thereof	\$2.00	\$3.00	\$2.00	\$3.00	\$2.00	\$3.00
Outgoing Deluxe Trunk Queuing per termination	\$5.80	\$8.70	\$5.60	\$8.40	\$5.44	\$8.16
Personal Call Screening per group	\$4.00	\$8.00	\$4.00	\$8.00	\$4.00	\$8.00

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8 Centrex Service (cont.)8.6 Prices (cont.)8.6.4 Other Service Elements (cont.)

	NRC	NRC	Monthly Price	Monthly Price
	Min.	Max.	Min.	Max.
Line Side Access (apply the price for a Basic Centrex line(s))				
Trunk Side Access				
Analog 2-wire Termination per arrangement	\$60.00	\$90.00	\$20.00	\$30.00
Analog 4-wire Termination per arrangement	\$60.00	\$90.00	\$20.00	\$30.00
DS1 Connection (24 channel digital termination) each arrangement	\$439.20	\$658.80	\$460.00	\$690.00

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8 Centrex Service (cont.)8.6 Prices (cont.)8.6.4 Other Service Elements (cont.)

Description	Term Payment Plan - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Line Side Access (apply the price for a Basic Centrex line(s))	\$8.00	\$12.00	\$7.60	\$11.40	\$7.60	\$11.40
Trunk Side Access Analog 2-Wire Termination per arrangement	\$20.00	\$30.00	\$20.00	\$30.00	\$20.00	\$30.00
Analog 4-Wire Termination per arrangement	\$20.00	\$30.00	\$20.00	\$30.00	\$20.00	\$30.00
DSI Connection (24 channel digital termination) each arrangement	\$400.00	\$600.00	\$360.00	\$540.00	\$120.00	\$480.00

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Section 8 - Centrex Services

Original Sheet No. 452

8 Centrex Service (cont.)8.6 Prices (cont.)8.6.4 Other Service Elements (cont.)

	NRC	NRC	Monthly Price	Monthly Price
	Min.	Max.	Min.	Max.
Trunk Side Access (cont.)				
PRI Connection (24 channel digital termination) each arrangement (Requires a Dedicated Communications Services channel)	\$1,600.00	\$2,400.00	\$360.00	\$540.00
Optional Features				
D Channel Backup each	\$160.00	\$240.00	\$96.00	\$144.00
Network Ring Again per arrangement	\$320.00	\$480.00	\$60.00	\$90.00
Network Name Display per arrangement	\$320.00	\$480.00	\$60.00	\$90.00
Queue Slot per slot	\$8.00	\$12.00	\$0.80	\$1.20

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8 Centrex Service (cont.)8.6 Prices (cont.)8.6.4 Other Service Elements (cont.)

Description	Term Payment Plan - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Trunk Side Access (cont.)						
PRI Connection (24 channel digital termination) each arrangement (Requires a Dedicated Communications Services channel)	\$352.00	\$528.00	\$344.00	\$516.00	\$336.00	\$504.00
Optional Features						
D Channel Backup each	\$92.00	\$138.00	\$88.00	\$132.00	\$84.00	\$128.00
Network Ring Again per arrangement	\$52.00	\$78.00	\$44.00	\$66.00	\$36.00	\$54.00
Network Name Display per arrangement	\$52.00	\$78.00	\$44.00	\$66.00	\$36.00	\$54.00
Queue Slot per slot	\$0.80	\$1.20	\$0.80	\$1.20	\$0.80	\$1.20

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Original Sheet No. 454

B Centrex Service (cont.)8.6 Prices (cont.)8.6.4 Other Service Elements (cont.)

	NRC	NRC	Monthly Price	Monthly Price
	Min.	Max.	Min.	Max.
Supplemental Three Digit Dialing per system per three digit access code	\$100.00 \$60.00	\$150.00 \$90.00		
Trunk Verification from Designated Station per system	\$40.00	\$60.00	\$8.00	\$12.00
Uniform Call Distribution (UCD) with queuing per UCD group per line equipped per Electronic Key Line	\$140.00 \$4.00 \$4.00	\$210.00 \$6.00 \$6.00	\$30.40 \$1.60 \$2.80	\$45.60 \$2.40 \$4.20
Virtual Routing each group of 24 access paths			\$80.00	\$120.00

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Section 8 - Centrex Services

Original Sheet No. 455

8 Centrex Service (cont.)8.6 Prices (cont.)8.6.4 Other Service Elements (cont.)

Description	Term Payment Plan - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Supplemental Three Digit Dialing per system per three digit access code						
Trunk Verification from Designated Station per system	\$8.00	\$12.00	\$8.00	\$12.00	\$8.00	\$12.00
Uniform Call Distribution (UCD) with queuing per UCD group per line equipped per Electronic Key Line						
Virtual Routing each group of 24 access paths	\$80.00	\$12.00	\$8.00	\$12.00	\$8.00	\$12.00

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Section 8 - Centrex Services

Original Sheet No. 458

8 Centrex Service (cont.)8.6 Prices (cont.)8.6.5 Other Service Elements (cont.)

Description	NRC	NRC
	Min.	Max.
Station (Line) Feature Change Charge per line, per occasion	\$32.00	\$52.00
For lines equipped with Centrex Mate or not		
Change NCOS/CAT/LCC code performed on the Centrex line level		
Add, or change (one or more) feature(s)		
Add, or change hunting per UCD station, or Multi Line hunt group		
Change Line Class Code (Class of Service)		
Add or change pickup groups		
Add or change telephone numbers in the call pickup group		
Move a station line from one Centrex Group to another		
Add, or change a Restriction Level		
Add, or change button feature assignments		
System Feature Charges		
ARS-Basic/Deluxe Rearrangements, per occasion	\$98.00	\$138.00
Additions, or modifications of codes or routing patterns for codes in three digit or in six digit routing arrangements		

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Section 8 - Centrex Services

Original Sheet No. 457

8 Centrex Service (cont.)8.6 Prices (cont.)8.6.5 Other Service Elements (cont.)

Description	NRC	
	Min.	Max.
Add, or change a route, pattern, Restriction Level or expensive route warning tone		
Add or change priority queuing		
Change in the quantity of queue slots, or the queue threshold time limit or in the post queue routing from subsequent routes to tone or vice versa		
System Feature Charges ARS-Basic/Deluxe Rearrangements, per occasion	\$98.00	\$138.00
Additions, or modifications of codes or routing patterns for codes in three digit or in six digit routing arrangements		
Add, or change a route, pattern, Restrictions Level or expensive route warning tone		
Add or change priority queuing		
Change from Ring Back Queuing to Off Hook Queuing or vice versa		
Deluxe Time of Day Routing, per arrangement		\$128.00
Add or change schedules		
Change in the quantity of queue slots, or the queue threshold time limit or in the post queue routing from subsequent routes to tone or vice versa		

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Original Sheet No. 458

8 Centrex Service (cont.)**8.6 Prices (cont.)****8.6.5 Other Service Elements (cont.)**

Arrangements for additional Pattern Group for Time of Day routing		
Add, or change a Restriction Level		
Add, or change button feature assignments		
Change access code or report format	\$200.00	\$400.00
Centrex Mate (CM)		
Change or reset password when the customer requests it be done by the Company, per change	\$8.00	\$13.25
Console Changes	\$30.00	\$80.00
Add, change or delete Multi Position feature, per occasion		
Add, or change a feature, per console		
Rearrange ICI keys or Night Answer Key		
Change a wild card feature		
Change console through dialing, per occasion		
Virtual Network		
See Area Wide Networking for applicable charges		

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Original Sheet No. 459

8 Centrex Service (cont.)8.6 Prices (cont.)8.6.5 Other Service Elements (cont.)

Description	NRC	NRC
	Min.	Max.
Customization Charges, per occasion	Based on Costs	Based on Costs
Change or rearrange any or all central office circuitry, Centrex software translations, or customer custom requests		
Arrangements for additional Pattern Group for Time of Day routing		
Add, or change a Restriction Level		
Add, or change button feature assignments		
Change access code or report format	\$200.00	\$400.00
Centrex Mate (CM)		
Change or reset password when the customer requests it be done by the Company, per change	\$8.00	\$13.25
Virtual Network See Area Wide Networking for applicable charges		

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Original Sheet No. 480

8 Centrex Service (cont.)8.6 Prices (cont.)8.6.5 Other Service Elements (cont.)

Description	NRC	NRC
	Min.	Max.
Console Changes	\$30.00	\$80.00
Add, change or delete Multi Position feature, per occasion		
Add, or change a feature, per console		
Rearrange ICI keys or Night Answer Key		
Change a wild card feature		
Change console through dialing, per occasion		
Customization Charges, per occasion	Based on Costs	Based on Costs
Change or rearrange any or all central office circuitry, Centrex software translations, or customer custom requests		
Private Facility Access Terminations		
PRI Connections, per occasion, per trunk group change, or add one or more trunks to an existing trunk group on a single PRI Connection	\$35.00	\$70.00
Reprogramming of a Non-Centrex Line in the same stored controlled central office into or out of a Centrex system, per occasion, per switch	\$10.00	\$30.00
Customer request to convert from one switch type to another	Apply charges as new service	Apply charges as new service

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Original Sheet No. 461

8 Centrex Service (cont.)8.6 Prices (cont.)8.6.5 Other Service Elements (cont.)

Description	NRC	
	Min.	Max.
All Other System Feature Changes, per occurrence	\$40.00	\$84.00
Change a system feature Add or change a Centrex Access code Add, change or re-arrange Centrex Access Treatment code Expanded station range (per 40 lines) of lines Change recorded announcement	\$8.00	\$13.25

8.6.5 Enhanced Service Elements8.6.5.1 Description

8.6.5.1.1 Training - Training is performed at a Company location. The customer is responsible for all expenses associated with travel to and from the Company location. However, at State area locations where the Company does not have a training center, training is performed at the customer's location. Initial training of customer personnel in system operation is provided at the time of system cut over or within 30 days of system cut over.

8.6.5.1.1.1 The number of customer's personnel trained is as follows:

Station User via the Communications

Counselor Program (CCP) 2 counselors per system

Console Management via (CCP) 2 counselors per system

8.6.5.1.1.2 Prices - Subsequent training per occasion at Company locations applies as shown following:

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Original Sheet No. 462

8 Centrex Service (cont.)**8.6 Prices (cont.)****8.6.5 Enhanced Service Elements (cont.)****8.6.5.1 Description (cont.)****8.6.5.1.1 Training (cont.)****8.6.5.1.1.2 Prices**

Description	NRC	NRC
	Min.	Max.
Subsequent Training		
Station User, per Company person, per hour	\$80.00	\$175.00
Centrex Mate, per Company person, per hour	\$80.00	\$175.00
Console Management, per Company person, per hour	\$80.00	\$175.00

8.6.5.2 Network Access - See PNG Telecommunications, Inc. P.U.C.O. Tariff No. 1, Section 2.

8.6.5.3 End User Common Line -Centrex lines are subject to an End User Common Line Charge (EUCL). The customer will be responsible for all increases and decreases in the EUCL charge, as authorized by the Federal Communications Commission. The monthly EUCL charge will be assessed on a per line terminated basis.

8.6.5.4 Usage - Calls (voice, data or packet) outside of the Centrex system are subject to applicable charges. (See Reference Section).

8.6.5.5 Telephone Numbers - Telephone numbers used or reserved with Centrex are provided at a minimum of \$0.10 per number and a maximum of \$0.50 per number.

8.6.5.6 Touch Tone - Touch Tone service is provided as a basic feature of Centrex and is included in the charges for Centrex lines.

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8 Centrex Service (cont.)**8.6 Prices (cont.)****8.6.5 Enhanced Service Elements (cont.)**

8.6.5.7 Caller ID (In association with ISDN) - Caller ID for calls from outside the system is a standard feature for Electronic Key Service on Circuit Switched Voice/Circuit Switched Voice/Circuit Switched Data services.

8.6.6 Payment Plans

8.6.6.1 Month to Month - The minimum period is one month, unless otherwise specified.

8.6.6.2 Term Payment Plans-Monthly Payment - The Contract Plan is a payment plan which allows customers to pay a fixed price for equipment and service over optional payment periods (terms). A different monthly price applies for the duration of each payment period. The monthly price varies inversely with the length of the payment period, e.g., the monthly price for a shorter period is greater than that for a longer period. The same payment plan must apply to Intercommunication lines and features.

8.6.6.2.1 Contract Plans are available for payment periods of 36 Months, 60 Months, or 84 Months.

8.6.6.2.2 During the effective term of a Contract Plan period, the monthly price is not subject to Company-initiated changes for payment period longer than one month.

8.6.6.2.2.1 Service covered by contract include, Centrex Intercommunication lines, Centrex Network Access Line Charge, Optional System Features and Optional Line Features.

8.6.6.2.2.2 End User Line Access Charge is not covered by the contract.

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8 Centrex Service (cont.)8.6 Prices (cont.)8.6.6 Payment Plans (cont.)8.6.6.2 Term Payment Plans - Monthly Payment (cont.)

8.6.6.2.3 Minimum Line Capacity Categories - Centrex provides 7 digit telephone numbers in rate band categories with the following capacities:

Rate Band	Number of Lines
1	2+
2	7+
3	25+
4	50+
5	100+
6	200+

8.6.6.2.4 Additions - Customers may add additional lines and/or features to existing Centrex service anytime during the contract period. All additions of Centrex lines will be added at contracted prices. All additions to existing Centrex service will be coterminous with the original contract. Upon growth to another Rate Band Category, the customer may designate a payment period that is equal to or longer than the remaining life of the existing contract. The customer will become liable for the new Rate Band category at the current monthly price. These prices will not be subject to Company initiated increases for the duration of the new contract payment period selected. If the customer chooses not to contract for a larger Rate Band category, the monthly price for the additional Centrex lines will be the price appropriate to the Rate Band category of the customer existing contract.

8.6.6.2.5 Contract Options - Prior to the completion of a contract, a customer may enter into a new contract for a period equal to, or greater than, the life of the original contract at the prices currently in effect at the time of the new contract. The customer will begin paying the new contract prices on the day of signing the new contract. Upon expiration of a contract, if the customer does not elect to

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8 Centrex Service (cont.)**8.6 Prices (cont.)****8.6.6 Payment Plans (cont.)****8.6.6.2 Term Payment Plans - Monthly Payment (cont.)****8.6.6.2.5 Contract Options**

subscribe to a new contract and does not request discontinuance of the service, service will be continued on a month-to-month basis. The month-to-month prices currently in effect at the time of expiration of the contract will apply. Once on a month-to-month basis the customer will have no additional service commitment and will no longer be subject to termination charges. The month-to-month service prices will be subject to Company initiated price changes.

8.6.6.3 Termination Charges

8.6.6.3.1 Full Termination - Discontinuance of the entire service within the initial service contract period will result in termination charges calculated as the (Line Capacity Commitment) X (contracted monthly Centrex line and feature charges) X (unexpired portion (in months) of the contract period).

8.6.6.3.2 Partial Termination - A customer who fails to maintain the minimum number of lines established by the pre-selected capacity category, will be liable for the minimum number of lines at the line price selected for the remainder of the term.

8.6.6.3.3 No Termination Liability Conditions - No termination liability exists in the following conditions:

8.6.6.3.3.1 The primary location of Centrex service is moved to a new location within the serving central office boundary at the same capacity category.

8.6.6.3.3.2 Move of a secondary location.

8.6.6.3.3.3 Election of a new capacity category and/or payment term that is equal or greater than the existing payment plan.

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Original Sheet No. 466

8 Centrex Services (cont.)**8.6 Prices (cont.)****8.6.6 Payment Plans (cont.)****8.6.6.3 Termination Charges (cont.)****8.6.6.3.3 No Termination Liability Conditions (cont.)**

8.6.6.3.3.4 The primary location of Centrex is moved to a new location in a different central office serving area. The customer must elect a new capacity category and payment plan that are equal to or greater than the existing capacity category and payment plan. A payment plan minimum of 36 months must be selected. The customer is responsible for all applicable Non Recurring installation charges (including: line connection, service order, and system establishment) for Centrex Service at the new location.

8.6.6.3.3.5 Assumption of Existing Contract. The customer shall not assign or otherwise transfer its rights or obligations under any Centrex arrangement provided under this tariff without prior written consent of the Company. Such consent will not be unreasonably withheld or delayed. Any provisions to the contrary found elsewhere in the USN Communications, Inc. Tariff P.U.C.O. No. 1 are superseded.

8.7 Business Centrex

8.7.1 Description - Business Centrex Service is a local exchange telecommunications service, provided by a telecommunications system located in a telephone company central office, which controls the switching of calls from the exchange network to the Centrex lines, calls from the Centrex lines to the exchange network, and intercommunicating calls between Centrex lines. Business Centrex offers two bundled feature packages which provide customers with greater choice of features and attractive pricing.

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.2 Terms and Conditions8.7.2.1 Provision of Service

8.7.2.1.1 Business Centrex is provided from switching equipment located on the Company premises and is offered for two or more lines subject to the availability of facilities. Variations in the switching and control equipment used may cause differences in the operations or availability of certain features. Business Centrex is provided at the option of the Company and is furnished subject to central office switching capacity and the availability of outside plant facilities. Business Centrex is limited to a minimum of two lines.

8.7.2.1.2 Business Centrex requires Service Transport Facilities (STF) as provided for in Section ___ of this tariff. The intercommunication portion of STF is an integral part of the Centrex service offering. The network access portion of STF is provided pursuant to tariff. The network access portion STF will be determined in accordance with the PBX trunk equivalents specified in this tariff.

8.7.2.1.3 Customers subscribing to this service must subscribe to STF "pair at a time" at the rates shown in this tariff, except those customers converting from other Centrex Services provided by the Company.

8.7.2.2 Intercept of Calls to Unassigned Station Line Numbers - Incoming and Intra-group calls to unassigned numbers are intercepted by standard recorded announcement. Customized recorded intercept messages may be provided where facilities permit at additional charges.

8.7.2.3 Suspension of Service - Suspension of service is not offered for Business Solutions Centrex.

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8 Centrex Services (cont.)8.7 Business Centrex8.7.2 Terms and Conditions (cont.)8.7.2.4 Transmission Specifications

- 8.7.2.4.1 Centrex Line Standard Transmission - The standard transmission specification for Centrex lines consists of: dial pulse signaling or Dual Tone Multi-Frequency (DTMF) signaling - approximate bandwidth of 300 to 3,000 Hz, loss of 0 to 8.5 dbm at 1004 Hz.
- 8.7.2.4.2 Loop Start Signaling - Centrex lines and Electronic Key lines are provided on a single two-wire facility with loop start signaling.
- 8.7.2.4.3 Electronic Key Line Standard Transmission (Non-ISDN) - Electronic Key Lines are provided on a non-loaded loop for access by preprogrammed push button features on compatible Customer Provided Equipment. The distance limitations from the Company's switching equipment is approximately 2.5 miles.
- 8.7.2.4.4 Interface Specifications for Customer Provided Equipment - Customer Provided Equipment (CPE) compatibility requirements are listed in Technical References. All Customer Provided Equipment used to interface with Business Solutions Centrex is required to conform with the Technical Reference Specifications as used by the Company and found in the following Technical references:

Subject	Technical Reference
Caller ID - Display	AM-TR-TSY-000030 AM-TR-TSY-000031
Electronic Key Line Data	AM-TR-NPL-850004 AM-TR-NPL-850005

The Technical References can be obtained from:

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Original Sheet No. 469

8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.2 Terms and Conditions (cont.)**

8.7.2.5 Local Service Area - The district of the serving wire center for Business Solutions Centrex determines the local service area for all station lines. (See the Reference section for the location of applicable charges.)

8.7.2.6 Termination at another Location - A Business Solutions Centrex customer may terminate one or more lines at another business customer's location when the lines are used exclusively for the Business Solutions Centrex customer's own communication needs. The following regulations are applicable:

8.7.2.6.1 The Business Solutions Centrex lines must be restricted from placing calls outside the Business Solutions Centrex System (intercom only stations).

8.7.2.6.2 The Business Solutions Centrex customer is responsible for all non-recurring charges and recurring prices for the Business Solutions Centrex system.

8.7.2.6.3 The Business Solutions Centrex customer is responsible for all the service associated with the Business Solutions Centrex lines including, but, not limited to directory listings and incoming MTS toll charges.

8.7.2.7 Mileage Charges - Where facilities permit, Centrex lines, and Electronic Key lines may be provided to a customer's location outside the serving CO area. In such cases, in addition to the prices for the specific Centrex line, appropriate mileage charges apply. (See the Reference section for the location of applicable charges)

8.7.2.8 Cancellation of Service - In the event of a customer initiated cancellation of service, equipment and/or facilities before completion, or after installation is completed, but prior to service being established, the loss of equipment and facilities in the process of building or being installed, cost of installation labor, cost of removal and other expenses will apply. In addition, Service Connection Charges may also be applicable.

8.7.2.9 Resale - Centrex service may be resold, shared or otherwise aggregated among unaffiliated end users to accommodate a shared tenant/reseller environment as a measured business class of service only:

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.2 Terms and Conditions (cont.)****8.7.2.9 Resale (cont.)**

8.7.2.9.1 Station to station calling is only allowed among affiliated end users. Unauthorized intercom calling may result in cancellation of the service to Centrex resellers, sharers or aggregators violating this prohibition pursuant to this offering.

8.7.2.9.2 The reseller, sharer or aggregator is responsible for payment of all charges including deposits and termination charges.

8.7.2.9.3 The reseller, sharer or aggregator is the customer of record with regard to any rights or privileges concerning the control or access of the telephone number or numbers.

8.7.2.10 System Charge - The System Charge is applicable to the establishment of any new Centrex system and to any relocation of an entire Centrex system, unless the customer's relocation is within the serving central office boundary. The System Charge will be determined at time of installation based on the total number of equipped and reserved telephone numbers. A System Charge applies to each Business Solutions Centrex arrangement or common block. The System Charge may be paid in full on the first bill after cut over of the system or may be financed under the provisions of the Deferred Payment Plan.

8.7.3 Features**8.7.3.1 Business Solutions Centrex Packages****8.7.3.1.1 Silver Package****Inherent Features**

Intercom Dialing
End to End Signaling
Equal Access for InterLATA calling

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8 Centrex Services (cont.)

8.7 Business Centrex (cont.)

8.7.3 Features (cont.)

8.7.3.1 Business Solutions Centrex Packages (cont.)

8.7.3.1.1 Silver Package (cont.)

Inherent Features (cont.)

Direct Outward Dialing
Direct Inward Dialing Touch-Tone

Basic Features

Conference Calling-3 way
Consultation Hold
Call Forwarding-Variable/Ring Reminder
Call Pick Up
Call Transfer-All
Call Transfer-Deluxe Hunting Arrangements-Series and Circular Hunt Only

8.7.3.1.2 Gold Package

Inherent Features

Intercom Dialing
End to End Signaling
Equal Access for InterLATA calling
Direct Outward Dialing
Direct Inward Dialing
Touch-Tone

Basic Features

Conference Calling-3 way
Consultation Hold
Call Forwarding-Variable/Ring Reminder

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8 Centrex Services (cont.)

8.7 Business Centrex (cont.)

8.7.3 Features (cont.)

8.7.3.1 Business Solutions Centrex Packages (cont.)

8.7.3.1.2 Gold Package (cont.)

Basic Features (cont.)

Call Pick Up
Call Transfer-All
Call Transfer-Deluxe
Hunting Arrangements-All

Deluxe Features

Speed Calling-Short
Call Hold
Call Forwarding-Don't Answer
Call Forwarding-Busy
Night Answer
Call Diverting
Call Waiting/Cancel Call Waiting
Call Forward of Call Waiting Calls
Distinctive Ringing and Call Waiting Tones

Centrex Mate

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.3 Features (cont.)8.7.3.2 Packages - The following packages are available as indicated:

N/A -Not Applicable	Opt.-Optional	Std. - Standard	
		Silver	Gold
Voice Mail Network Support		Opt.	Opt.
Message Waiting Indicator-Audible or CLASS Visual Message Waiting Indicator			
Call Forwarding-Don't Answer (3 paths)			Std.
Call Forwarding-Busy			Std.
Caller ID Intercom Package		Opt.	Opt.
Caller ID Package		Opt.	Opt.
Advanced Forward and Directory Package		N/A	N/A
Personal Call Screening			
Network Speed Calling (first 100 numbers)			
Additional Speed Calling Numbers (per 100 numbers)			
Call Forwarding Over Private Facilities			
Call Productivity Package		N/A	Opt.
Automatic Call back			
Call Park (where facilities permit)			
Directed Call Park			
Directed Call Pick Up			
Last Number Redial			
Cost Control Package		N/A	N/A
Customized Call Diverting			
Remote Access (where facilities permit)			
Authorization Codes			
Automatic Route Selection-Deluxe			

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Original Sheet No. 474

8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.2 Packages (cont.)**

	Silver	Gold
Audio Conferencing	N/A	Opt.
6 Port Conferencing		
Enhanced Audio Conferencing	N/A	Opt.
30 to 150 Ports		
Electronic Key Line	N/A	Opt.
Analog Line Pickups		
Automatic Dial		
Automatic Line Presselect		
Blind Transfer with Recall Identification		
Call Forwarding per Key		
Call Request		
Call Request with Queue		
Called Number Display		
Calling Number Display - Intercom		
Calling Reason Display		
Display Capability		
Directory Number Hunt with Call Waiting and		
Preferential Hunt		
Executive Busy Override		
Executive Busy Override - Exempt		
Group Intercom		
Individual Page		
All Calls		
Intercom Key		
Last Number Redial		
Leave Message Activation		
Listen on Hold		
Make Set Busy		

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.2 Packages (cont.)****Electronic Key Line (cont.)**

Make Set Busy except on Group Intercom
 Message Waiting Activation Control
 Message Retrieval Display
 Multiple Appearance Directory
 Numbers - Single Call Arrangement (SCA)
 Bridging
 Conference Interaction
 Conference w/3-Way Calling
 Privacy
 Ring Again Idle Set
 Message Waiting Indication - Visual
 On Hook Dialing
 Privacy Release Conference Control
 Repeat Alert
 Ringing Options for
 Secondary MADN Call Forwarding
 Set Inspect
 Short Hunt
 Stop Hunt - Access Code
 Time and Date Display

Silver

Gold

Area Wide Networking

N/A

N/A

Virtual Network

N/A

N/A

Optional Features Available with Gold

Centrex Message Signal Interface

N/A

Opt.

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.3 Features (cont.)8.7.3.2 Packages (cont.)

	Silver	Gold
Announcement Services	N/A	Opt.
Customer Premises Announcements		
Central Office Recorded Announcements		
Assume Dial 9	N/A	opt.
Call Request with Queue	N/A	Opt.
<u>Optional Features Available with Gold</u>		
Direct Connect Originating	N/A	Opt.
Electronic Key Line Options Features	N/A	opt.
Calling Name Display on Intercom		
DSSIBLF with Fast Transfer and Camp On		
Executive Display Communications		
Multiple Appearance Directory Numbers -		
Multiple Call Arrangement		
Query Busy Station		
Secondary Directory Telephone Numbers		
Add-on Module - 10 or 18 Button		
Do Not Disturb	N/A	Opt.
High Speed Data Service	N/A	opt.
Make Busy Access Code	N/A	Opt.
Private Facility Access Termination	N/A	Opt.
Special Intercept	N/A	Opt.
Speed Calling - Expanded Number Group	N/A	opt.
Speed Calling - Long	N/A	Opt.
Stop Hunt Key	N/A	opt.
Supplemental 3 Digit Dialing	N/A	Opt.
Trunk Verification from Designated Stations	N/A	Opt.
Uniform Call Distribution	N/A	Opt.
Queue Slots	N/A	Opt.
Music On Hold Interface	N/A	opt.
Outgoing Deluxe Trunk Queuing	N/A	Opt.

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.3 Line Features**

- 8.7.3.3.1 Analog Line Pickups** - Allows analog lines to have a line appearance on the CPE Electronic Key set.
- 8.7.3.3.2 Automatic Callback** - Permits a user who places an intrasystem call to a busy Centrex number to be automatically connected to that line when both the called and calling station lines are available.
- 8.7.3.3.3 Automatic Dial** - Provides for automatic dialing of a single telephone number via a specific button on the CPE telephone. For Centrex users with properly equipped Customer Provided Equipment (CPE) having display capabilities, this feature displays the number currently programmed for Automatic Dial.
- 8.7.3.3.4 Automatic Line Preselect** - Automatically connects a user to a preselected line when the handset is lifted. Preselect can be configured to select a ringing line, an idle line, a primary line, or no line.
- 8.7.3.3.5 Blind Transfer with Recall Identification** - Allows a station to transfer a call to another party without waiting for that party to answer. If the other party does not answer the transferred call in a specific time-out period, the station from which the call was transferred is recalled. On sets with the optional display that have been assigned the text-message option an alphanumeric message is displayed to help identify Blind Transfer recalls.
- 8.7.3.3.6 Call Diverting** - Outgoing calls may be screened so that completion of calls to preselected areas is denied. Each arrangement is a predefined standard. The following arrangements are standard: intercom only (fully restricted), intercom and local calls (semi-restricted), and intercom, local and toll calls (unrestricted).
- 8.7.3.3.7 Denied Origination** - prohibits call origination from designated Centrex stations.
- 8.7.3.3.8 Denied Termination** - prohibits call completion to designated Centrex stations.

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.3 Line Features (cont.)**

- 8.7.3.3.9 Call Forward of Call Waiting Calls** - Allows station users that have Call Forwarding and Call Waiting assigned to their lines to forward Call Waiting calls that are not answered within a set period of time automatically to a predetermined destination.
- 8.7.3.3.10 Call Forwarding - Variable** - Provides routing of incoming calls, to a preselected station line, attendant, or to a line outside the system.
 - 8.7.3.3.10.1 Call Forwarding Reminder Ring** - provide a ring splash when an IntraGroup call is forwarded and the base station is idle.
 - 8.7.3.3.11 Call Forwarding - Busy** - Allows incoming calls to a busy station to be routed to a preselected Centrex station line, attendant, or line outside the system.
 - 8.7.3.3.11.1 Incoming Call Only** - allows only incoming calls from outside of the Centrex group to be forwarded.
 - 8.7.3.3.11.2 Internal/External Split** - allows separate, forwarded-to directory numbers to be assigned for calls that originated internally or externally to the customer group.
 - 8.7.3.3.11.3 Station Activation** - allows a customer to activate deactivate the feature as well as program the forward-to station from the set by using a dial access code.
 - 8.7.3.3.11.4 To External Number** - allows calls to be forwarded to a number outside of the Centrex group. (Customer is responsible for any local or toll charges on forwarded calls outside the system).
 - 8.7.3.3.12 Call Forwarding - Don't Answer** - Allows incoming call to automatically route to a preselected Centrex station line, attendant or to a line outside the Centrex group when the called station is not answered after a preset number of rings.

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.3 Line Features (cont.)****8.7.3.3.12 Call Forwarding - Don't Answer (cont.)**

- 8.7.3.3.12.1 Incoming Call Only - allows only incoming calls from outside of the Centrex group to be forwarded.
- 8.7.3.3.12.2 Ring Cycles - defines a predetermined number of rings before the Call Forward-Don't Answer feature is invoked on a per line or a per system basis.
- 8.7.3.3.12.3 Internal/External Split - allows separate, forwarded-to directory numbers to be assigned for calls that originated internally or externally to the customer group.
- 8.7.3.3.12.4 Forwarded Number Busy Interaction Enhancement - on a customer group basis, additional treatment options can be given to incoming calls that are forwarded to the forward-to destination when busy. The available options are:
- 8.7.3.3.12.4.1 Treat the call according to any features assigned to the forward-to destination (current functionality); or
- 8.7.3.3.12.4.2 Do not forward the call, but continue to ring the base station until answered or abandoned; or
- 8.7.3.3.12.4.3 Do not forward the call, but provide an intercept announcement.
- 8.7.3.3.12.4.4 Station Activation - allows a customer to activate/deactivate the feature as well as program the forward-to station from the set by using a dial access code.
- 8.7.3.3.12.4.5 To External Number - allows calls to be forwarded to a number outside of the Centrex group.

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.3 Features (cont.)8.7.3.3 Line Features (cont.)

- 8.7.3.3.13 Call Forwarding per Key - Allows an electronic key line user to enable each telephone number assigned this feature to call forward to a different number or destination. For Centrex users using properly equipped Customer-Provided Equipment with display capabilities, this feature displays the number currently programmed for the Call Forwarding feature.
- 8.7.3.3.14 Call Forwarding Over Private Facilities - Enables a station user to establish automatic forwarding of incoming calls to a specific private facility access group.
- 8.7.3.3.15 Call Hold - Allows a station user to hold a call in progress by dialing an access code, place another call and alternate between the two calls with privacy.
- 8.7.3.3.16 Call Park - Provides the station user the ability to park a call against the station number. The parked call may be retrieved from any station in the Centrex group by dialing a code and the station number parked.
- 8.7.3.3.17 Call Pickup - Allows a station user to answer calls directed to another station line within the same pickup group by dialing an access code. Where available, incoming calls will be answered on a first in, first out basis (longest call answered first).
- 8.7.3.3.18 Call Request - Allows a station to activate a call request to an idle or busy station. Additionally, provides the ability of a called station to activate a return call dialing by a feature button, when the station has received a call request.
- 8.7.3.3.19 Call Request with Queue - An arrangement that allows a station user to activate a call request, by dialing an access code, to another station user that may be busy or idle. Additionally, this feature provides the ability of the called station user to return a call request, by dialing an access code, to the station user that initiated the call request. This feature requires that both the Centrex Line that initiates the call request and the Centrex Line that receives the call request be equipped with this feature.

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.3 Line Features (cont.)**

- 8.7.3.3.20 Call Transfer - All - Allows incoming, outgoing, and intercom calls to be transferred to other Centrex stations.**
- 8.7.3.3.21 Call Transfer (Inter-system) - Deluxe - Incoming, outgoing, and intercom calls may be transferred to other Centrex station numbers or other lines outside the Centrex group. (Customer is responsible for any local or toll charges on transferred calls.)**
- 8.7.3.3.22 Call Waiting/Cancel Call Waiting - Provides station users with an audible tone to indicate that an incoming call is waiting. This feature can be activated and deactivated with the Cancel Call Waiting capability.**
- 8.7.3.3.23 Called Number Display - Capability to display the called number with the proper customer provided equipment.**
- 8.7.3.3.24 Caller ID - Intercom - The caller's number, if not blocked, is displayed on compatible Customer Provided Equipment when an incoming call is received.**
- 8.7.3.3.25 Calling Name Display on Intercom - Provides delivery of the calling name on calls from other station users within the Centrex system to station users with Electronic Key Line sets.**
- 8.7.3.3.26 Calling Number Display - Intercom - Capability to display the calling number within the system with the proper customer provided equipment.**
- 8.7.3.3.27 Calling Reason Display - In addition to a display of both the caller's number and the number being called, this also indicates the reason a call has been forwarded.**
- 8.7.3.3.27.1 Enhancement provides more information on redirected calls.**

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.3 Line Features (cont.)**

8.7.3.3.28 CLASS Visual Message Waiting Indicator - Provides a visual indication when messages have been left for subscribers who also subscribe to compatible voice messaging systems. For subscribers with display sets or adjuncts, the date and time of the messages are also displayed (DMS 100 only and if the messaging service supplies this information) in addition to lighting the visual message indicator lamp. This feature has the following restrictions:

8.7.3.3.28.1 For use on a single line set only. Not provided on EKL sets.

8.7.3.3.28.2 Requires SS7 network capability.

8.7.3.3.28.3 Offered on intraLATA calls only.

8.7.3.3.28.4 Works with any in ent that complies with Bellcore specification TR-TSY-000030 ("SPCS Customer Premises Equipment Data Interface")

8.7.3.3.28.5 Compatible with Centrex Mate, Release 8.4 (DMS only)

8.7.3.3.29 Conference Calling, 3-Way - Allows a user to add a third party to an existing call.

8.7.3.3.30 Consultation Hold - Allows a station user to hold a call in progress (incoming or outgoing) and originate another call with privacy.

8.7.3.3.31 Direct Connect Originating - An arrangement that permits a station line to automatically dial a predetermined telephone number when the calling station line goes off-hook.

8.7.3.3.32 Direct Inward Dialing (DID) - Calls from outside the Centrex group may be dialed directly to each Centrex number.

8.7.3.3.33 Direct Outward Dialing (DOD) - Calls may be placed outside of the Centrex group without the aid of a system attendant.

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.3 Line Features (cont.)**

- 8.7.3.3.34 Directed Call Park** - Provides the station user with the ability to park a call against another station number. The parked call may be retrieved from any station in the Centrex group by dialing a code and the station number.
- 8.7.3.3.35 Directed Call Pick-up** - Allows a station user to answer calls directed at another station number within the Centrex group without regard to pick-up groups. This feature may be provided with barge-in, if requested.
- 8.7.3.3.36 Direct Station Selection/Busy Lamp Field with Fast Transfer** - This provides a set of related features to allow appropriate customer premises equipment to perform attendant console like functions.
- 8.7.3.3.37 Direct Station Selection** - provides properly equipped customer provided equipment to monitor, via a busy lamp field station, status of directory numbers that appear in the Electronic Key line group. It will also provide direct dialing to a monitored station by means of the feature key.
- 8.7.3.3.38 Camp-On** - allows the user to extend a call to a busy station. The call is held until the called party is free. If the called party does not answer the waiting call, then the station that extended that call is automatically recalled by the calling party.
- 8.7.3.3.39 Fast Transfer** - allows the transfer of calls without having to conference a called party beforehand.
- 8.7.3.3.40 Directory Number Hunt With Call Waiting and Preferential Hunt** - Allows a line with Call Waiting to be a member of a directory number hunt group and allows a preferential hunt list for each member of the group.
- 8.7.3.3.41 Display Capability** - For Centrex users with properly equipped Customer Provided Equipment having display capabilities, this feature also displays user-entered or incoming call information during the use of other Centrex features.

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.3 Line Features (cont.)**

- 8.7.3.3.42 Distinctive Ringing and Call Waiting Tone - Provides different ringing cadence for incoming calls from within the Centrex system verses outside the system. This feature also provides distinctive call waiting tones for calls coming from within the system verses outside the system for lines equipped with the Call Waiting capability.**
- 8.7.3.3.43 Electronic Key Line Add-On Modules - Provides the capability to connect the 10, 18, 20, or 36 Add-On Module to the Electronic Key line set.**
- 8.7.3.3.44 End to End Signaling - Allows a station user, while in the talking state, to send Dual Tone MultiFrequency (DTMF) digits to the other end by using a dial pad.**
- 8.7.3.3.45 Equal Access for Inter-LATA Calling - Allows each station line to use a predetermined Inter-Exchange Carrier without dialing any special codes. Override to an alternate carrier can be accomplished by dialing an appropriate Inter-Exchange Carrier code.**
- 8.7.3.3.46 Executive Busy Override - This feature allows a station to gain access to a busy station.**
- 8.7.3.3.47 Executive Busy Override - Exempt - This feature denies access to stations invoking Executive Busy Override.**
- 8.7.3.3.48 Executive Display Communications - Allows a station user to leave and retrieve messages at an Electronic Key line set with display.**
- 8.7.3.3.49 Group Intercom - Centrex users may be members of an intercom group of up to 99 members. Each member is assigned a unique 2 digit number. This intercom is separate and distinct from station to station Intercom Calling.**

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.3 Line Features (cont.)****8.7.3.3.49 Group Intercom (cont.)****8.7.3.3.49.1 Additional intercom capabilities offered, where available, are****8.7.3.3.49.1.1 Individual Page** - allows a Group Intercom member to page another group member using the built-in speaker on a properly equipped set.**8.7.3.3.49.1.2 All Calls** - allows a Group Intercom member to simultaneously page up to 29 predefined members of the same Group Intercom group, using the built-in speaker or a properly equipped set.**8.7.3.3.49.1.3 Intercom Key** - allows a user to directly terminate on a predesignated set by pressing the intercom key.**8.7.3.3.50 Hunting Arrangements** - Incoming calls to a busy Centrex line are redirected to a predetermined number(s) to search for an idle line on which to complete the call. If no idle number is found, a busy tone is provided. These types are available.**8.7.3.3.50.1 Circular Hunt** - permits a complete hunt over all of the station lines in a particular Multi Line Hunt Group (MLHG). Hunting starts with the dialed number and continues to the last terminal prior to the dialed number in the MLHG. Circular Hunt is only provided with Uniform Call Distribution, Preferential Hunt or Multiple Position Hunt.**8.7.3.3.50.2 Series or Serial Hunt** - allows a limited number of Centrex lines to be programmed in either a sequential (consecutively numbered) or nonsequential (non consecutively numbered) order for hunting purposes. Series hunting is done through the ordered list until an idle line is encountered or the end of the list is reached. Call handling line features can be added to the last directory number in

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.3 Line Features (cont.)****8.7.3.3.50 Hunting Arrangements (cont.)****8.7.3.3.50.2 Series or Serial Hunt (cont.)**

8.7.3.3.50.1 the series to increase call completion probability. Series Completion redirects a call only once to any given line.

8.7.3.3.50.2.1 Enhancement redirects a call from a busy DN to another DN giving greater flexibility by providing circular Call-Forward, Busy type chaining.

8.7.3.3.50.3 Distributed Line Hunting - starts the hunting at the first idle line after the previous hunt and continues until the starting point is reached.

8.7.3.3.50.4 Multi Line Hunt Group (MLHG) - is a group of lines with common terminating (incoming call) features that are grouped together to share translation data. Hunting is provided by a common program (shared translations) for the group of lines. Each line is identified by a multi-line terminal number, not a Centrex number.

8.7.3.3.50.4.1 Enhancement allows the assignment of Multiple Pilot Directory Numbers to a MLHG. Hunting can therefore begin at different points in the group depending on the number dialed.

8.7.3.3.50.5 Non-Hunt Telephone Number - in a MLHG can contain station lines which have associated non-hunt directory numbers. If the station line is busy on a call, another call to the non-hunt number will receive busy treatment. These non-hunt numbers are not in the MLHG and do not have access to the MLHG or MTH features.

8.7.3.3.50.6 Preferential Hunt - permits a pre-hunt over a preferential list of station lines before hunting the entire MLHG.

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.3 Line Features (cont.)****8.7.3.3.50 Hunting Arrangements (cont.)**

8.7.3.3.50.6 Each station can be associated with a particular preferential list within a MLHG.

8.7.3.3.50.7 Secretarial - allows more than one Centrex line to hunt to the same line in a linear pattern.

8.7.3.3.50.8 Uniform Call Distribution (UCD) without queuing - is furnished only on station lines equipped for Circle Hunt. This hunting feature provides equal distribution of incoming calls in a prearranged group. Calls in excess of the number of lines in the UCD group will not be held in queue and will receive a busy tone. A make busy arrangement is required as specified in optional features to busy out all lines in a group or single lines in a UCD group by operating a key.

8.7.3.3.51 Intercom Dialing - Provides for dialing between lines in the same Centrex system.

8.7.3.3.52 Last Number Redial - Allows a designation of a CPE station button to initiate redial of the last number called.

8.7.3.3.52.1 Last Number Redialed Associated with Set - re-dials last number from business set regardless of which key the call was made from.

8.7.3.3.53 Leave Message Activation - Capability for a station to activate, via a button, an audible or visual message indication at other locations. The receiving station controls the deactivation of the message indication upon retrieval of the message. (Requires Message System Service CPE)

8.7.3.3.54 Listen on Hold - Allows a user to place a called party on hold and listen through the speaker on a properly equipped set.

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.3 Line Features (cont.)**

- 8.7.3.3.55 Make Busy Access Code** - This feature may be assigned to any hunt line, directory number, multi-line hunt line, or distributed hunt line. This feature is activated by the customer dialing an access code.
- 8.7.3.3.56 Make Set Busy** - Allows a designation of a CPE station button to busy out all lines terminating on the telephone set.
- 8.7.3.3.57 Make Set Busy except on Group Intercom** - Allows an Electronic Key Line station to continue to receive group intercom calls when the set is put into a make busy condition.
- 8.7.3.3.58 Message Retrieval Display** - Provides the capability of a station to directly retrieve messages from their display via button activation and cancel the message waiting indication. (Requires Message System Service CPE)
- 8.7.3.3.59 Privacy Release Conference Control** - This arrangement provides additional flexibility for conferencing for Electronic Key Lines (EKL) Service by segregating conferencing circuits for exclusive use of Multiple Appearance Directory Number (MADN) groups.
- 8.7.3.3.60 Query Busy Station** - Allows up to 128 Electronic Key stations to query the busy/idle status of one designated station either Electronic Key line or Centrex within the group. The feature supports up to eight simultaneous requests to monitor the station for idle status display.
- 8.7.3.3.61 Repeat Alert** - A station can be designated to receive additional alert tones when a call terminates on a Directory Number (DN), N, or Group Intercom Key and while the station is active on another call.
- 8.7.3.3.62 Ringin Options for MADN** - Provides additional ringing options to a Multiple Appearance Directory Number (MADN) group.

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.3 Features (cont.)8.7.3.3 Line Features (cont.)

- 8.7.3.3.63 Secondary Directory Telephone Numbers - Provides an additional directory number which is not physically terminated, but exists in the programming of Electronic Key Line Service. The additional directory number, while not terminated on a dedicated facility, may be accessed from the network and may originate unique outgoing dial tone from an instrument that has another directory number as its primary number.
- 8.7.3.3.64 Secondary MADN Call Forwarding - Allows secondary Multiple Appearance Directory Number (MADN) members to activate or deactivate call forwarding from their sets.
- 8.7.3.3.65 Set Inspect - Allows a user either display features assigned to buttons on the phone or display calling or called number of an active call or call on hold via operation of a predesignated button.
- 8.7.3.3.65.1 Enhancement allows this feature to also be enabled on an automatic basis displaying call information as soon as a call is presented.
- 8.7.3.3.66 Short Hunt - Permits incoming calls to hunt over a set of directory number appearances in search of an idle directory number on which to terminate.
- 8.7.3.3.67 Speed Calling - Expanded Number Group - Allows stations to place calls to a list of numbers by dialing a code. The size of the list depends on the serving technology type.
- 8.7.3.3.68 Speed Calling - Long - Allows a station line to place calls to a list of 30 numbers by dialing a code.
- 8.7.3.3.69 Speed Calling - Short - Allows a station user having access to place calls to a list of 6 or 10 numbers (dependent upon central office switch) by dialing a code.

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.3 Line Features (cont.)**

8.7.3.3.70 Stop Hunt Key - This feature may be assigned to any hunt line, directory number, multi-line hunt line, or distributed hunt line. This feature is controlled by a customer provided external key. This feature requires private line facilities and customer provided equipment.

8.7.3.3.71 Time and Date Display - Allows time and date to be displayed. Time and date are provided by the Central Office.

8.7.3.3.72 Touch Tone - Provides for dialing a telephone number using Dual Tone Multi-Frequency (DTNIF) signaling.

8.7.3.3.73 Transfer Calls to Restricted Station - Allows incoming calls, initiated from outside the Centrex system to be transferred by a designated station user to a Centrex line that is restricted from receiving incoming calls.

8.7.3.4 System Features

8.7.3.4.1 Centrex Mate - The Centrex Mate feature allows a Centrex customer to make changes in the station line and/or feature configuration of their 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.

8.7.3.4.1.1 Generally

8.7.3.4.1.1.1 Access is provided by dial up modems via Customer Provided Equipment. The customer is responsible for any charges incurred to access the Centrex Mate system.

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8 Centrex Services (cont.)

8.7 Business Centrex (cont.)

8.7.3 Features (cont.)

8.7.3.4 System Features (cont.)

8.7.3.4.1 Centrex Mate (cont.)

8.7.3.4.1.1 Generally

8.7.3.4.1.1.2 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.

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

8.7.3.4.1.1.4 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.

8.7.3.4.1.1.5 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.

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.4 System Features (cont.)****8.7.3.4.1 Centrex Mate (cont.)****8.7.3.4.1.2 Responsibility of the Company**

8.7.3.4.1.2.1 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.

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

8.7.3.4.1.3 Responsibility of the Customer

8.7.3.4.1.3.1 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 System shall be responsible for that agent's use and protection of the password and access codes.

8.7.3.4.1.3.2 The customer will designate at the time of installation whether they manage their Centrex Mate system themselves 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 their behalf. The customer accepts responsibility for all changes made on their behalf by their agent.

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.3 Features (cont.)8.7.3.4 System Features (cont.)

8.7.3.4.2 Centrex Message Signal Interface (CMSI) - Provides for the transmission of certain called number and other identification information via a data link connecting the CMSI input/output port located in the Company's central office to customer provided equipment.

8.7.3.4.2.1 CMSI service consists of three features: Call History Package Delivery, Remote Activation of Message Waiting Indicator and Message Waiting Indication.

8.7.3.4.2.1.1 Call History Package Delivery - provides detailed information of calls forwarded from Centrex lines via a Centrex multi-line hunt group and associated data link from the Company's central office to the customer provided Message System Interface.

8.7.3.4.2.1.2 Remote Activation of Message Waiting Indicator - allows the Centrex customer to activate/deactivate an audible message waiting tone on Centrex lines or a visual LED indication on electronic business sets.

8.7.3.4.2.1.3 Message Waiting Indication Audible - provides an audible tone signal on a Centrex line or, where technology permits, a visual LED indication on an electronic business set.

8.7.3.4.3 Virtual Network (VN) - Virtual Network (VN) extends intercom calling geographically within the LATA, providing virtual connectivity among all types of Centrex lines using the public network. All lines in the Centrex system and at each premises location must be included in a customer's VN. Multiple customers sharing a Centrex Common Block cannot be part of an VN. A minimum of 500 lines is required to establish VN. Systems exceeding 25,000 lines may require special construction charges. All lines in the network must terminate at an authorized premises location of the Customer of Record. Authorized locations include branches, factories,

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.3 Features (cont.)8.7.3.4 System Features (cont.)8.7.3.4.3 Virtual Network (VN) (cont.)

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. When VN is provided through resale, all lines in each VN network must terminate at an authorized premises location of the same end user customer of the reseller. All other terms and conditions as stated above including requirement of a minimum of 500 lines per end user customer of the reseller also apply.

8.7.3.4.4 Announcement Services - Announcements can be utilized with various Centrex services, such as UCD, ACD, Special Intercept, ARS, Queue Slots and Music on Hold. Two announcement arrangements are available:

8.7.3.4.4.1 Customer Premises Announcements provides an interface to the customer premises for recorded announcement or music.

8.7.3.4.4.2 Central Office Recorded Announcements may be provided in the following arrangements:

8.7.3.4.4.2.1 Standard announcements provides for Company announcements.

8.7.3.4.4.2.2 Customer specific announcements provides for announcements customized for an individual specific customer (maximum of 24 seconds)

8.7.3.4.5 Assume Dial "9" - An arrangement that allows station users to originate network calls by dialing the appropriate seven or 10 digit network telephone number without first dialing "9" for access to the public network.

8.7.3.4.6 Automatic Route Selection - Deluxe - Allows for the completion of calls to a public network telephone number by automatically scanning the digits and selecting a first choice completion route when available, or a subsequent route if

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.4 System Features (cont.)****8.7.3.4.6 Automatic Route Selection - Deluxe (cont.)**

the first choice route is not available. Automatic Alternate Routing for tie lines provides automatic routing of calls to alternate tie line routes when the primary tie line route is in use. Routes may include Foreign Exchange lines, Foreign Central Office lines, Foreign District lines, WATS lines, Carrier access lines, the DDD network, the IDDD network, or other compatible arrangements. The delivery of digit one to an Interexchange carrier is available. The final completion route may be the public network, or at the direction of the customer, the call attempt can be routed to Expensive Route Warning Tone. Facility Restriction Levels (FRL) are required with ARS-D and are required on each Centrex line and incoming tie line to determine both the type of call and type of facility within the privileges of the associated user.

8.7.3.4.6.1 Features

- 8.7.3.4.6.1.1 Authorization codes** - allow a station user to dial a code to override the restriction level associated with the dialing Centrex line or tie line. The Centrex requests the Authorization code when the default FRL has insufficient privileges to complete the call. The Authorization code is also inspected for validity as a security check.
- 8.7.3.4.6.1.2 Time of Day routing** permits the pre-programming selection of alternate routing pattern groups for off-network calls on a time of day and day of the week basis.
- 8.7.3.4.6.1.3 Automatic Alternate Routing** provides automatic routing of on-network calls to alternate tie line routes when the primary tie line routes are busy.
- 8.7.3.4.6.1.4 Automatic Overflow to DDD** provides completion of on-network

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.4 System Features (cont.)****8.7.3.4.6 Automatic Route Selection - Deluxe (cont.)****8.7.3.4.6.1 Features (cont.)**

8.7.3.4.6.1.4 calls via the toll network when all primary and alternate tie line routes are busy.

8.7.3.4.6.1.5 Deluxe queuing permits station users to be placed in queue whenever all facilities in the first choice route in a pattern for completing a particular call are already in use.

8.7.3.4.7 Conference Services - Six-Port Conference Service consists of a six-Port conference circuit that provides for simultaneous connections up to six conferees. Six-port conference circuits can be utilized to provide the following:

8.7.3.4.7.1 Conference Linking with four Additional Ports - allows multiple six-port conferences to be linked together. One port on each six-port conference circuit is used for linking. Consequently, only four ports per each additional conference circuit can be used for conferences when they are linked together.

8.7.3.4.7.2 Preset Conference - allows a Centrex station line, trunk, or attendant console to establish a conference call with a maximum of 50 conferees by dialing a specific directory number. The dialing of the DN invokes a simultaneous ringing of the preselected conferees. The conferees are specified and notified in advance.

8.7.3.4.8 Enhanced Audio Conference - Allows users to hold a conference for 30 to 150 conferees by dialing a directory number to reach a specific conference bridge at a predetermined time.

8.7.3.4.9 Customized Call Diverting - Enables the customer to block or allow one or more

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.4 System Features (cont.)**

- 8.7.3.4.9 NPA and/or NXX numbers when these numbers are dialed by selected stations within the customer group.
- 8.7.3.4.10 Do Not Disturb - An arrangement that intercepts incoming calls to a Centrex line(s) during specified periods of time when a station user(s) does not want to be disturbed. This arrangement can be provisioned for individual lines or groups of lines. This feature may be activated/deactivated via a key by the attendant or a designated station user.
- 8.7.3.4.11 High Speed Data Service - An arrangement that provides digital, full-duplex synchronous data transmission within a Centrex Service System, at speeds of 1.2 Kbps to 56 Kbps and asynchronous data transmission at speeds of 100 bps to 19.2 Kbps over a standard twisted pair loop. High Speed Data Service requires appropriately equipped customer provided equipment. This feature is available only in non-ISDN equipped central offices.
- 8.7.3.4.12 Music On Hold Interface - An arrangement that allows access to Customer Provided Equipment that provides a continuous broadcast of music when a caller is placed on hold. Customer Premises Announcements are required per unique music source and are found elsewhere in this offering.
- 8.7.3.4.13 Network Speed Calling - Allows up to 1 000 numbers per system to be accessed via individual lists of up to 100 numbers each.
- 8.7.3.4.14 Outgoing Deluxe Trunk Queuing - An arrangement that allows station users to have their outgoing call held in queue, by dialing a code, when the associated outgoing facilities are in use. This arrangement provides station users with "off-hook" or "on-hook" queuing for busy outgoing facilities. A queue slot is required for each call held in queue. The following options are available for calls that are held in "off-hook" queue:
- 8.7.3.4.14.1 Silence on Queue - provides silence when calls are held in queue. This

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.4 System Features (cont.)****8.7.3.4.14 Outgoing Deluxe Trunk Queuing (cont.)**

8.7.3.4.14.1 arrangement is standard unless the customer elects Music on Queue or Recorded Announcement.

8.7.3.4.14.2 Music on Queue - is an interface that provides for the connection with customer provided music equipment.

8.7.3.4.14.3 Recorded Announcement - provides for one continuous repeating type announcement.

8.7.3.4.14.4 Priority Queuing - station lines, equipped with this option have originating priority and their calls are loaded into queue ahead of non-priority calls. When the queue is full, priority calls route to overflow tone or to the DID network.

8.7.3.4.15 Personal Call Screening - Allows a station, to whom another station's calls are being forwarded, to transfer the call back to the forwarding station, overriding the forwarding feature.

8.7.3.4.16 Private Facility Access Termination**8.7.3.4.16.1 Line Side Access Connections**

8.7.3.4.16.1.1 Code Call Access - permits station users and attendants to dial an access code and a called party code to activate customer provided audible and visible signaling devices.

8.7.3.4.16.1.2 Dial Dictation Access - provides station users access to customer provided dictation recording equipment by dialing an access code.

8.7.3.4.16.1.3 Radio Paging Access - allows stations and attendants to access

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.4 System Features (cont.)****8.7.3.4.16 Private Facility Access Termination (cont.)**

8.7.3.4.16.1 customer provided and radio paging equipment located on the customers premises by dialing a Centrex station number.

8.7.3.4.16.2 Trunk Side Access Connections - The following trunk side access connections are available in either analog or digital format as outlined below.

8.7.3.4.16.2.1 Advanced Private Line Access - connects tie lines, private line facilities and access lines from switched private line services to Centrex dial switching equipment. It may also be used when compatible with and required for termination of facilities by Other Common Carriers (OCC's).

8.7.3.4.16.2.2 Radio Paging Access - provides station users and attendants the capability to access customer provided and radio paging equipment located on the customer's premises via an access code.

8.7.3.4.16.2.3 Tandem Tie Line Access - allows tandem connection of special service circuits dedicated to a customer group.

8.7.3.4.16.2.4 Tie Line Access - allows connection of special service circuits dedicated to a customer group.

8.7.3.4.16.2.5 DS1 Connection - is a termination used to connect dial type tie lines or Other Common Carrier (OCC) private communication services to a Centrex System. The termination can accommodate twenty-four channels, each dedicated to a specific service.

8.7.3.4.16.3 Other Private Facility Access Connections

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8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.3 Features (cont.)****8.7.3.4 System Features (cont.)****8.7.3.4.16 Private Facility Access Termination (cont.)****8.7.3.4.16.3 Other Private Facility Access Connections (cont.)**

8.7.3.4.16.3.1 Foreign Exchange (FX) provides access to/from an FX line, Foreign Central Office line, or Foreign District line. Station users have the ability to transfer a foreign exchange call.

8.7.3.4.16.3.2 OUTWATS Access allows a station user access to OUTWATS services dedicated to a customer group by dialing an access code.

8.7.3.4.17 Queue Slots - Queue slots are dedicated time slots in the central office, used to hold calls in a delayed state until a call can be further processed. A queue slot is required for each call to be held in queue. Calls in Queue may be provided a recorded announcement or music. These optional Features are specified in the Optional Features section of this offering under Announcement Services.

8.7.3.4.18 Remote Access Services - Allows users outside the Centrex to access the system by dialing predetermined Network Access Lines. Customers that have this optional system feature can dial into a Centrex system, without the assistance of an attendant, and access the features and telecommunications facilities associated with the system.

8.7.3.4.19 Special Intercept Service - Allows the customer to provide an individual message when a station has been taken out of service. This feature provides access to the announcement and requires either a customer-designated, central-office-recorded-announcement or an interface to customer-premises-recorded-announcement facilities. Requires a Dedicated Communications Service channel.

8.7.3.4.20 Supplemental Three Digit Dialing - Available on a Centrex system arranged for four- or five-digit intercom dialing. Three-digit dialing is provided as a means to

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.3 Features (cont.)8.7.3.4 System Features (cont.)

8.7.3.4.20 reach an emergency station line on the same system, such as fire, police, etc.

8.7.3.4.21 Trunk Verification from Designated Station - An arrangement that provides audible transmission level testing for originating and terminating trunk groups or a trunk within a trunk group trunks associated with a Centrex system by a designated station user(s). This service arrangement is provided at the option of the Company and is furnished subject to the availability of central offices equipped and programmed to provide such service.

8.7.3.4.22 Uniform Call Distribution - Provides for the even distribution of incoming calls to all groups of lines arranged in a special hunting arrangement. Queuing may be provided with the addition of queue slots found elsewhere in this tariff.

8.7.4 Prices

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Silver Package						
System Charge, per system						
2-6 lines	\$20.00	\$30.00	\$0.00	\$0.00	\$0.00	\$0.00
7-24 lines	\$36.00	\$54.00	\$0.00	\$0.00	\$0.00	\$0.00
25-49 lines	\$52.00	\$78.00	\$0.00	\$0.00	\$0.00	\$0.00

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Silver Package (cont.)						
Exchange Access (subject to trunk equivalency)						
Centrex Intercom per line						
2 lines and above	\$0.00	\$0.00	\$3.10	\$4.66	\$3.10	\$4.66
Area B	\$0.00	\$0.00	\$14.96	\$22.44	\$14.96	\$22.44
Area C	\$0.00	\$0.00	\$16.56	\$24.84	\$16.56	\$24.84
Area D	\$0.00	\$0.00	\$16.56	\$24.84	\$16.56	\$24.84

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Silver Package						
System Charge, per system						

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Silver Package (cont.)						
2-6 lines	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7-24 lines	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25-49 lines	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Centrex Intercom, per line						
2 lines and above	\$3.10	\$4.66	\$3.10	\$4.66	\$3.10	\$4.66
Exchange Access (subject to trunk equivalency)						
Area B	\$14.96	\$22.44	\$14.96	\$22.44	\$14.96	\$22.44
Area C	\$16.56	\$24.84	\$16.56	\$24.84	\$16.56	\$24.84
Area D	\$16.56	\$24.84	\$16.56	\$24.84	\$16.56	\$24.84
Gold Package						
System Charges, Per system						
2-6 lines	\$80.00	\$120.00	\$4.00	\$6.00	\$4.00	\$6.00

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Gold Package (cont.)						
Electronic Key Line (cont.)						
25-49 lines	\$8.00	\$12.00	\$8.66	\$12.98	\$8.23	\$12.35
50-99 lines	\$8.00	\$12.00	\$8.42	\$12.62	\$8.00	\$12.00
100-199 lines	\$8.00	\$12.00	\$8.29	\$12.43	\$7.87	\$11.81
200-499 lines	\$8.00	\$12.00	\$8.25	\$12.37	\$7.84	\$11.76

Description	Term Payment Plans - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Gold Package						
System Charges, Per system						
2-6 lines	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00
7-24 lines	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00
25-49 lines	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00
50-99 lines	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00

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8 Centrex Services (cont.)

8.7 Business Centrex (cont.)

8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Gold Package (cont.)						
System Charges, Per system (cont.)						
100-199 lines	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00
200-499 lines	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00
25-49 lines	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00
50-99 lines	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00
Centrex Intercom, Per line						
2 lines and above	\$3.80	\$5.70	\$3.80	\$5.70	\$2.78	\$4.16
Exchange Access (subject to trunk equivalency)						
Area B	\$14.96	\$22.44	\$14.96	\$22.44	\$14.96	\$22.44
Area C	\$16.56	\$24.84	\$16.56	\$24.84	\$16.56	\$24.84
Area D	\$16.56	\$24.84	\$16.56	\$24.84	\$16.56	\$24.84

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Gold Package (cont.)						
Electronic Key Line, per line						
2-8 lines	\$7.99	\$11.99	\$7.28	\$10.88	\$6.77	\$10.15
7-24 lines	\$7.88	\$11.80	\$7.19	\$10.79	\$6.75	\$10.13
25-49 lines	\$7.59	\$11.39	\$6.94	\$10.42	\$6.52	\$9.78
50-99 lines	\$7.38	\$11.08	\$6.74	\$10.12	\$6.33	\$9.49
100-199 lines	\$7.28	\$10.88	\$6.64	\$9.98	\$6.24	\$9.36
200-499 lines	\$7.22	\$10.84	\$6.60	\$9.90	\$6.19	\$9.29

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Package Prices						
Voice Mail Network Support, per box	\$0.40	\$0.60	\$0.40	\$0.60	\$0.40	\$0.60
Caller TD Intercom, Per system						
2-6 lines	\$4.00	\$8.00	\$1.60	\$2.40	\$1.60	\$2.40
7-24 lines	\$8.00	\$12.00	\$2.40	\$3.60	\$2.40	\$3.60
25-49 lines	\$16.00	\$24.00	\$4.00	\$6.00	\$4.00	\$6.00
50-99 lines	\$32.00	\$48.00	\$6.40	\$9.60	\$6.40	\$9.60
100-199 lines	\$64.00	\$96.00	\$12.00	\$18.00	\$12.00	\$18.00
200-499 lines	\$128.00	\$192.00	\$24.00	\$36.00	\$24.00	\$36.00

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8 Centrex Services (cont.)

8.7 Business Centrex (cont.)

8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Package Prices						
Voice Mail Network Support, per box	\$0.40	\$0.60	\$0.40	\$0.60	\$0.40	\$0.60
Caller TD Intercom, Per system						
2-5 lines	\$1.60	\$2.40	\$1.60	\$2.40	\$1.60	\$2.40
7-24 lines	\$2.40	\$3.60	\$2.40	\$3.60	\$2.40	\$3.60
25-49 lines	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00
50-99 lines	\$6.40	\$9.60	\$6.40	\$9.60	\$6.40	\$9.60
100-199 lines	\$12.00	\$18.00	\$12.00	\$18.00	\$12.00	\$18.00
200-499 lines	\$24.00	\$36.00	\$24.00	\$36.00	\$24.00	\$36.00

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Section 8 - Centrex Services

Original Sheet No. 510

8 Centrex Services (cont.)

8.7 Business Centrex (cont.)

8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Package Prices (cont.)						
Advanced Forward and Directory Package, per system						
Additional Call Forward Multipath Arrangement, per arrangement	\$40.00	\$60.00	\$4.00	\$6.00	\$4.00	\$6.00
Additional Network Speed Calling, per 100 number block	\$80.00	\$120.00	\$2.00	\$3.00	\$2.00	\$3.00
Call Productivity, per system						
2-6 lines	\$24.00	\$66.00	\$6.40	\$9.60	\$6.40	\$9.60
7-24 lines	\$40.00	\$60.00	\$9.60	\$14.40	\$9.60	\$14.40
25-49 lines	\$60.00	\$90.00	\$20.00	\$30.00	\$20.00	\$30.00
50-99 lines	\$120.00	\$180.00	\$40.00	\$60.00	\$40.00	\$60.00

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Section 8 - Centrex Services

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Package Prices (cont.)						
Call Productivity (cont.)						
100-199 lines	\$240.00	\$360.00	\$80.00	\$120.00	\$80.00	\$120.00
200-499 lines	\$520.00	\$780.00	\$160.00	\$240.00	\$160.00	\$240.00

Description	Term Payment Plans - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Package Prices (cont.)						
Advanced Forward and Directory Package, per system						
Additional Call Forward Multipath Arrangement, per arrangement	\$4.00	\$6.00	\$4.00	\$6.00	\$4.00	\$6.00

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Package Prices (cont.)						
Additional Network Speed Calling, per 100 number block	\$2.00	\$3.00	\$2.00	\$3.00	\$2.00	\$3.00
Call Productivity, per system						
2-6 lines	\$6.40	\$9.60	\$6.40	\$9.60	\$6.40	\$9.60
7-24 lines	\$9.60	\$14.40	\$9.60	\$14.40	\$9.60	\$14.40
25-49 lines	\$20.00	\$30.00	\$20.00	\$30.00	\$20.00	\$30.00
50-99 lines	\$40.00	\$60.00	\$40.00	\$60.00	\$40.00	\$60.00
100-199 lines	\$80.00	\$120.00	\$80.00	\$120.00	\$80.00	\$120.00
200-499 lines	\$160.00	\$240.00	\$160.00	\$240.00	\$160.00	\$240.00

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Section 8 - Centrex Services

Original Sheet No. 513

8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Package Prices (cont.)						
ARS Routing Arrangements						
Additional Patterns, per pattern	\$160.00	\$240.00	\$4.00	\$6.00	\$3.60	\$5.40
IDDD Dialing, per system	\$520.00	\$780.00	\$16.00	\$24.00	\$16.00	\$24.00
7-10 Digit Screening, per translation	\$280.00	\$420.00				
Time of Day Routing, per schedule	\$120.00	\$180.00	\$8.00	\$12.00	\$7.80	\$11.70
Digit One Delivery	\$240.00	\$360.00				
ARS Changes						
Rearrangement, Per occasion	\$160.00	\$240.00				

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Package Prices (cont.)						
Additional Time of Day Patterns, each arrangement	\$80.00	\$120.00				
Additional Remote Access Arrangements per arrangement	\$240.00	\$360.00	\$16.00	\$24.00	\$16.00	\$24.00

Description	Term Payment Plans - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Package Prices (cont.)						
ARS Routing Arrangements						
Additional Patterns, per pattern	\$3.20	\$4.80	\$2.80	\$4.20	\$2.40	\$3.60

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Section 8 - Centrex Services

Original Sheet No. 515

8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Package Prices (cont.)						
IDDD Dialing, per system	\$16.00	\$24.00	\$16.00	\$24.00	\$16.00	\$24.00
7-10 Digit Screening, per translation						
Time of Day Routing, per schedule	\$7.60	\$11.40	\$7.20	\$10.80	\$6.80	\$10.20
Digit One Delivery						
ARS Changes						
Rearrangement, Per occasion	\$160.00	\$240.00				
Additional Time of Day Patterns, per arrangement						
Additional Remote Access Arrangements, per arrangement	\$16.00	\$24.00	\$16.00	\$24.00	\$16.00	\$24.00

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Original Sheet No. 516

8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Package Prices (cont.)						
8 Port Audio Conference, per 8 port facility	\$40.00	\$60.00	\$32.00	\$48.00	\$32.00	\$48.00
30 Port Audio Conference, per 30 port facility	\$160.00	\$240.00	\$120.00	\$180.00	\$120.00	\$180.00
Audio Conference Options						
Conference Linking w/4 Additional Ports per arrangement	\$52.00	\$78.00	\$32.00	\$48.00	\$32.00	\$48.00
Conference Preset, per group	\$320.00	\$480.00	\$20.00	\$30.00	\$20.00	\$30.00
Privacy Release Conference Control per system equip.	\$20.00	\$30.00	\$16.00	\$24.00	\$16.00	\$24.00

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Section 8 - Centrex Services

Original Sheet No. 517

8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Package Prices (cont.)						
6 Port Audio Conference, per 6 port facility	\$32.00	\$48.00	\$32.00	\$48.00	\$32.00	\$48.00
30 Port Audio Conference, per 30 port facility	\$120.00	\$180.00	\$120.00	\$180.00	\$120.00	\$180.00
Audio Conference Options						
Conference Linking w/4 Additional Ports per arrangement	\$32.00	\$48.00	\$32.00	\$48.00	\$32.00	\$48.00
Conference Preset, per group	\$20.00	\$30.00	\$20.00	\$30.00	\$20.00	\$30.00
Privacy Release Conference Control per system equip.	\$16.00	\$24.00	\$16.00	\$24.00	\$16.00	\$24.00

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Section 8 - Centrex Services

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)Virtual Network within a LATA

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

$$\frac{(\text{Total lines within 0 to 15 miles})(\$CCS)}{(\text{Total lines in Network})} + \frac{(\text{Total lines beyond 15 miles})(\$CCS)}{(\text{Total lines in Network})} + \$1.00 = \text{Prices per line month (Rounded to the nearest multiple of $.05)}$$

CCS

CCS	0-15 Mile Min.	0-15 Mile Max.	15+ Min.	15+ Max.
Max. 2.5	\$1.76	\$2.84	\$4.32	\$6.48
Max. 3.5	\$2.64	\$3.96	\$6.48	\$9.72
Max. 4.5	\$3.52	\$4.28	\$8.64	\$12.96
Max. 5.5	\$4.40	\$6.60	\$10.80	\$16.20
Max. 8.0	\$6.16	\$8.24	\$13.52	\$20.28

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

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

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

LINE SIZE	3 Year	5 Year	7 Year
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%

Apply Area Wide Networking Non Recurring System charge as found elsewhere in this pricing section.

For Optional Out of Network numbers, apply the appropriate charges located under the Area Wide Networking feature found elsewhere in this pricing section.

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Section 8 - Centrex Services

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Package Prices (cont.)						
Electronic Key Line Optional Features						
Calling Name Display on Intercom, per line	\$4.00	\$6.00	\$0.20	\$0.30	\$0.20	\$0.30
DSS/BLF with Fast Transfer and Camp On, per line	\$80.00	\$120.00	\$7.20	\$10.80	\$7.20	\$10.80
Executive Display Communications, per line	\$0.00	\$0.00	\$0.40	\$0.60	\$0.40	\$0.60
Multiple Appearance Directory - Number-MCA, per appearance	\$4.00	\$6.00	\$0.20	\$0.30	\$0.20	\$0.30

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Section 8 - Centrex Services

Original Sheet No. 521

8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Package Prices (cont.)						
Electronic Key Line Optional Features						
Calling Name Display on Intercom, per line	\$0.20	\$0.30	\$0.20	\$0.30	\$0.20	\$0.30
DSS/BLF with Fast Transfer and Camp On, per line	\$80.00	\$120.00	\$7.20	\$10.80	\$7.20	\$10.80
Executive Display Communications, per line	\$0.00	\$0.00	\$0.40	\$0.60	\$0.40	\$0.60
Multiple Appearance Directory - Number-MCA, per appearance	\$4.00	\$6.00	\$0.20	\$0.30	\$0.20	\$0.30

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Original Sheet No. 522

8 Centrex Services (cont.)**8.7 Business Centrex (cont.)****8.7.4 Prices (cont.)**

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Package Prices (cont.)						
Electronic Key Line Optional Features						
Query Busy Station, per queued station	\$8.00	\$9.00	\$1.20	\$1.80	\$1.20	\$1.80
Secondary Directory Number, per line	\$0.00	\$0.00	\$0.20	\$0.30	\$0.20	\$0.30
Per 10 or 18 Button. Add on Module, per module	\$140.00	\$210.00	\$0.00	\$0.00	\$0.00	\$0.00
Per 20 or 36 Button. Add on Module, per module	\$140.00	\$210.00	\$0.00	\$0.00	\$0.00	\$0.00

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Original Sheet No. 523

8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	36 Mo.	36	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Package Prices (cont.)						
Electronic Key Line Optional Features						
Query Busy Station, per queued station	\$1.20	\$1.80	\$1.20	\$1.80	\$1.20	\$1.80
Secondary Directory Number, per line	\$0.20	\$0.30	\$0.20	\$0.30	\$0.20	\$0.30
Per 10 or 18 Button. Add on Module, per module	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Per 20 or 36 Button. Add on Module, per module	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

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Original Sheet No. 524

8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Optional Features Available with Gold						
Centrex Message Signal I/F, per system	\$780.00	\$1,170.00	\$120.00	\$180.00	\$117.60	\$178.40
Announcement Services						
Customer Premises Announcements, per link	\$148.00	\$222.00	\$14.40	\$21.60	\$14.00	\$21.00
CO Recorded Announcement, per announcement	\$144.00	\$216.00	\$32.00	\$48.00	\$31.20	\$46.80
Assume Dial 9, per line	\$4.00	\$6.00	\$2.60	\$3.90	\$2.60	\$3.90

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Original Sheet No. 525

8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Optional Features Available with Gold						
Centrex Message I/F, per system	\$115.20	\$172.80	\$112.00	\$168.00	\$108.00	\$162.00
Announcement Services						
Customer Premises Announcements, per link	\$13.60	\$20.40	\$12.80	\$19.20	\$12.00	\$18.00
CO Recorded Announcement, per announcement	\$29.60	\$44.40	\$27.20	\$40.80	\$24.00	\$36.00
Assume Dial 9, per line	\$2.60	\$3.90	\$2.60	\$3.90	\$2.60	\$3.90

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Original Sheet No. 526

8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Optional Features Available with Gold (cont.)						
Call Request with Queue, per line, per system	\$0.00 \$78.00	\$0.00 \$114.00	\$0.80 \$0.00	\$1.20 \$0.00	\$0.80 \$0.00	\$1.20 \$0.00
Direct Connect Originating, per line	\$0.00	\$0.00	\$0.80	\$1.20	\$0.80	\$1.20
Do Not Disturb, per line, per system	\$4.00 \$40.00	\$6.00 \$60.00	\$1.60 \$3.20	\$2.40 \$4.80	\$1.60 \$3.20	\$2.40 \$4.80
High Speed Data Service, per line	\$335.20	\$502.80	\$9.60	\$14.40	\$8.80	\$13.20
Make Busy Access Code, per line	\$0.00	\$0.00	\$3.96	\$5.94	\$3.96	\$5.94
Music on Hold Interface, per interface	\$160.00	\$240.00	\$11.20	\$16.80	\$11.20	\$16.80

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Optional Features Available with Gold (cont.)						
Outgoing Deluxe Trunk Queuing, per system	\$160.00	\$240.00	\$6.40	\$9.60	\$6.04	\$9.06
Queue Slots, per slot	\$8.00	\$12.00	\$0.80	\$1.20	\$0.80	\$1.20

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Section 8 - Centrex Services

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Optional Features Available with Gold (cont.)						
Call Request with Queue, per line, per system	\$0.80 \$0.00	\$1.20 \$0.00	\$0.80 \$0.00	\$1.20 \$0.00	\$0.80 \$0.00	\$1.20 \$0.00
Direct Connect Originating, per line	\$0.80	\$1.20	\$0.80	\$1.20	\$0.80	\$1.20
Do Not Disturb, per line, per system	\$1.60 \$3.20	\$2.40 \$4.80	\$1.60 \$3.20	\$2.40 \$4.80	\$1.60 \$3.20	\$2.40 \$4.80
High Speed Data Service, per line	\$8.00	\$12.00	\$7.60	\$11.40	\$7.60	\$11.40
Make Busy Access Code, per line	\$3.96	\$5.94	\$3.96	\$5.94	\$3.96	\$5.94
Music on Hold Interface, per interface	\$11.20	\$16.80	\$11.20	\$16.80	\$11.20	\$16.80

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8 Centrex Services (cont.)

8.7 Business Centrex (cont.)

8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Optional Features Available with Gold (cont.)						
Outgoing Deluxe Trunk Queuing, per system	\$5.80	\$8.70	\$5.80	\$8.40	\$5.44	\$8.16
Queue Slots, per slot	\$0.80	\$1.20	\$0.80	\$1.20	\$0.80	\$1.20

Description					Term Payment Plans - Monthly Payment	
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Optional Features Available with Gold (cont.)						
Private Facility Access Termination (Line Side), (Line Side Access Connections are available at the rates shown for Centrex lines)						

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Optional Features Available with Gold (cont.)						
Private Facility Access Termination (Trunk Side)						
Analog 2-Wire Termination, per arrangement	\$60.00	\$90.00	\$20.00	\$30.00	\$20.00	\$30.00
Analog 4-Wire Termination, per arrangement	\$60.00	\$90.00	\$20.00	\$30.00	\$20.00	\$30.00
DS1 Connection per arrangement	\$1,200.00	\$1,800.00	\$280.00	\$420.00	\$280.00	\$390.00
Special Intercept, per system	\$120.00	\$180.00	\$1.60	\$2.40	\$1.60	\$2.40
Speed Call-Long, per arrangement	\$0.00	\$0.00	\$0.32	\$0.48	\$0.32	\$0.48

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8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Optional Features Available with Gold (cont.)						
Private Facility Access Termination (Trunk Side)						
Analog 2-Wire Termination, per arrangement	\$20.00	\$30.00	\$20.00	\$30.00	\$20.00	\$30.00
Analog 4-Wire Termination, per arrangement	\$20.00	\$30.00	\$20.00	\$30.00	\$20.00	\$30.00
DS1 Connection per arrangement	\$240.00	\$360.00	\$228.00	\$342.00	\$216.00	\$324.00
Special Intercept, per system	\$1.60	\$2.40	\$1.60	\$2.40	\$1.60	\$2.40
Speed Call-Long, per arrangement	\$0.32	\$0.48	\$0.32	\$0.48	\$0.32	\$0.48

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Section 8 - Centrex Services

Original Sheet No. 532

8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Optional Features Available with Gold (cont.)						
Speed Calling - Expanded Number Group, per arrangement	\$0.00	\$0.00	\$0.48	\$0.72	\$0.48	\$0.72
Stop Hunt Key, per line	\$0.00	\$0.00	\$3.96	\$5.94	\$3.96	\$5.94
Supplemental 3-Digit Dialing Service, per system	\$100.00	\$150.00	\$0.00	\$0.00	\$0.00	\$0.00
per 3-Digit code	\$48.00	\$72.00	\$0.00	\$0.00	\$0.00	\$0.00
Trunk Verification from Designated Station, per system	\$40.00	\$60.00	\$8.00	\$12.00	\$8.00	\$12.00
Uniform Call Distribution with Queuing, per UCD group	\$140.00	\$210.00	\$5.20	\$7.80	\$5.20	\$7.80
per line	\$4.00	\$6.00	\$2.40	\$3.60	\$2.40	\$3.60
per EKL line	\$4.00	\$6.00	\$2.80	\$4.20	\$2.80	\$4.20

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Section 8 - Centrex Services

Original Sheet No. 533

8 Centrex Services (cont.)

8.7 Business Centrex (cont.)

8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Optional Features Available with Gold (cont.)						
Speed Calling - Expanded Number Group, per arrangement	\$0.48	\$0.72	\$0.48	\$0.72	\$0.48	\$0.72
Stop Hunt Key, per line	\$3.96	\$5.94	\$3.96	\$5.94	\$3.96	\$5.94
Supplemental 3-Digit Dialing Service, per system	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
per 3-Digit code	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Trunk Verification from Designated Station, per system	\$8.00	\$12.00	\$8.00	\$12.00	\$8.00	\$12.00
Uniform Call Distribution with Queuing, per UCD group	\$5.20	\$7.80	\$5.20	\$7.80	\$5.20	\$7.80
per line	\$2.40	\$3.60	\$2.40	\$3.60	\$2.40	\$3.60
per EKL line	\$2.80	\$4.20	\$2.80	\$4.20	\$2.80	\$4.20

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Section 8 - Centrex Services

Original Sheet No. 534

8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Subsequent Change Charges						
Station line feature changes, per line, per occasion	\$12.80	\$19.20	\$0.00	\$10.00	\$0.00	\$10.00
System feature changes, per occurrence	\$40.00	\$60.00	\$0.00	\$10.00	\$0.00	\$10.00
Customization charge Change of central office circuitry	ICB	ICB				
Change or rearrange Centrex software translations	ICB	ICB				

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Section 8 - Centrex Services

Original Sheet No. 535

8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Subsequent Change Charges (cont.)						
Centrex Mate Changes Discontinue or reestablish line features, per occasion	\$17.60	\$26.40	\$0.00	\$10.00	\$0.00	10
Password change, per change	\$8.00	\$12.00	\$0.00	\$10.00	\$0.00	\$10.00

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Section 8 - Centrex Services

Original Sheet No. 536

8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Subsequent Change Charges						
Station line feature changes, per line, per occasion	\$0.00	\$10.00	\$0.00	\$10.00	\$0.00	\$10.00
System feature changes, per occurrence	\$0.00	\$10.00	\$0.00	\$10.00	\$0.00	\$10.00
Customization charge Change of central office circuitry						
Change or rearrange Centrex software translations	ICB	ICB				

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Section 8 - Centrex Services

Original Sheet No. 537

8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Subsequent Change Charges (cont.)						
Centrex Mate Charges Discontinue or reestablish line features, per occasion	\$0.00	\$10.00	\$0.00	\$10.00	\$0.00	10
Password change, per change	\$0.00	\$10.00	\$0.00	\$10.00	\$0.00	\$10.00

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Section 8 - Centrex Services

Original Sheet No. 538

8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	NRC	NRC	1 Mo.	1 Mo.	12 Mo.	12 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Subsequent Change Charges (cont.)						
Station User, per Telco person, per hour	\$108.00	\$162.00	\$0.00	\$10.00	\$0.00	10
Centrex Mate, per Telco person, per hour	\$108.00	\$162.00	\$0.00	\$10.00	\$0.00	\$10.00

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Section 8 - Centrex Services

Original Sheet No. 539

8 Centrex Services (cont.)8.7 Business Centrex (cont.)8.7.4 Prices (cont.)

Description	Term Payment Plans - Monthly Payment					
	36 Mo.	36 Mo.	60 Mo.	60 Mo.	84 Mo.	84 Mo.
	Min.	Max.	Min.	Max.	Min.	Max.
Subsequent Change Charges (cont.)						
Station User, per Telco person, per hour	\$0.00	\$10.00	\$0.00	\$10.00	\$0.00	10
Centrex Mate, per Telco person, per hour	\$0.00	\$10.00	\$0.00	\$10.00	\$0.00	\$10.00

8.7.4.1 Other Charges

- 8.7.4.1.1 Touch-Tone service used with Business Centrex is provided pursuant to this tariff for the outward portion (50%) of STF determined to be network access in accordance with the tariff. Other Touch-Tone service is provided as a basic feature of Business Centrex and is included in the rates specified elsewhere.
- 8.7.4.1.2 Caller ID used with Business Centrex is provided pursuant to this tariff. The portion of STF determined to be network access is in accordance with this tariff.

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Section 8 - Centrex Services

Original Sheet No. 540

8 Centrex Services (cont.)

8.7 Business Centrex (cont.)

8.7.4 Prices (cont.)

8.7.4.1 Other Charges (cont.)

8.7.4.1.3 Business Centrex lines are subject to an End User Common Line Charge (EUCL). The customer will be responsible for all increases and decreases in the EUCL charge, as authorized by the Federal Communications Commission. The monthly EUCL rate will be assessed on a per line basis. Appropriate offsetting adjustments will be made to the customer's Centrex billing to reflect only the amount of any such increases or decreases attributable to the network access portion of STF determined in accordance with this tariff.

8.7.4.1.4 Telephone numbers used or reserved with Business Centrex are provided at \$0.25 per number.

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PNG TELECOMMUNICATIONS, INC.

P.U.C.O. No. 1A

PRICE LIST

Original Sheet No. 1

Ohio Local Exchange Services - Price Sheets
PNG Telecommunications, Inc.

PRICE SHEETS PERTAINING TO PNG TELECOMMUNICATIONS, INC.'S
REGULATIONS AND SCHEDULES FOR INTRASTATE CHARGES
APPLICABLE TO COMMUNICATIONS SERVICES REGULATED BY THE
PUBLIC UTILITIES COMMISSION OF OHIO

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PRICE LIST

Original Sheet No. 2

1 Service Ordering Charges - Rate Schedule

1.1 Complex Service - Includes all other exchange service and their associated facilities and equipment excluded from simple service.

1.2 Simple Service - Simple residence and non-residence service includes network exchange access lines and their associated facilities and equipment which meet all of the following conditions:

- 1.2.1 The network access lines are served from their normal service central office.
- 1.2.2 All terminations of the network access lines are confirmed to a single continuous property.
- 1.2.3 Customer premises equipment connected to such network access lines is limited to non-key telephones with associated miscellaneous or supplemental equipment.

Where more than one exchange service is billed on a single account, the multi-line account is considered simple only when all network access lines meet the criteria as outlined in sections 1.2.1 - 1.2.3 preceding.

	Complex		Simple	
	Residence Charge	Business Charge	Residence Charge	Business Charge
Service Establishment Charge This charge applies when the Company initially establishes the Customer's account for any service provided by the Company. This charge is applied in addition to any other monthly, installation, or non-recurring charge which is associated with the service the Customer orders				
Local Exchange Service Establishment Charge				
- Service Order Charge	\$17.85	\$15.85	\$17.85	\$25.50
- Line Connection Charge	\$10.60	\$16.50	\$10.60	\$24.35

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PRICE LIST

Original Sheet No. 3.

1 Service Ordering Charges - Rate Schedule (cont.)

	Complex		Simple	
	Residence Charge	Business Charge	Residence Charge	Business Charge
Service Establishment Charges (cont.)				
Local Exchange Service Establishment Charge (cont.)				
- Central Office Connection	\$8.25	\$17.00	\$8.25	\$13.00
- Total Per Order	\$36.50	\$49.35	\$36.50	\$82.85
PBX Service Establishment Charge				
- Service Order Charge	Not Avail.	\$10.35	Not Avail.	\$10.35
- Line Connection Charge	Not Avail.	\$14.50	Not Avail.	\$14.50
- Central Office Connection	Not Avail.	\$24.50	Not Avail.	\$24.50
- Total Per Order	Not Avail.	\$49.35	Not Avail.	\$49.35
Off Property Extension and Stations, per extension/station per location				
- Exchange Service Extension				
(1) In same CO area	\$129.20	\$129.20	Not Avail.	Not Avail.
(2) In different CO area	\$234.20	\$234.20	Not Avail.	Not Avail.
- PBX station line or PBX extension station line				
(1) terminating in same CO area as PBX system	\$378.40	\$378.40	Not Avail.	Not Avail.
(2) Terminating in different CO area from PBX system	\$445.30	\$445.30	Not Avail.	Not Avail.

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PRICE LIST

Original Sheet No. 4

1 Service Ordering Charges - Rate Schedule (cont.)

	Complex		Simple	
	Residence Charge	Business Charge	Residence Charge	Business Charge
Service Change Charge This charge applies anytime a Customer requests that his/her service or class of service be changed. This charge may be applied to a service as many times as the Customer requests that his/her service be changed and is charged in addition to any other monthly or installation charge which is associated with the service the Customer orders				
- per order	\$17.90	\$25.50	\$31.15	\$25.50
Miscellaneous Service or Features	\$7.95	\$7.95	\$7.75	\$9.25
- Customer Calling Service				
- Advanced Custom Calling Service (other than Calling Party Number blocking or Call Trace)				
- Advanced Custom Calling Features				
- Central Office Optional Line Features (1) Easy Call (2) Message Waiting Tone				
- Billed Number Screening Services				
Directory Services				
- Emergency Message Referral for Private Listing Service	\$17.90	\$17.90	\$9.80	\$9.80

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PRICE LIST

Original Sheet No. 5

1 Service Ordering Charges - Rate Schedule (cont.)

	Complex		Simple	
	Residence Charge	Business Charge	Residence Charge	Business Charge
Directory Services (cont.)				
- Change from listed to private or semi-private listing services or from semi-private to private listing service	\$17.90	\$17.90	\$9.80	\$9.80
- Discontinue emergency message referral for private listing service	\$17.90	\$17.90	\$9.80	\$9.80
- Convert, for listing purposes only an existing off-premises extension location to the main location, vice versa, when both locations are within the same CO area.				
- Change transfer of toll charge service	\$41.55	\$41.55	\$9.80	\$9.80
Remote Call Forwarding The following charge applies per feature	\$62.30	\$70.25	Not Avail.	Not Avail.
Call Control - Charge, per exchange service, per extension	\$9.25		\$9.25	
Intercom Calling Service The following charge applies per individual exchange service to establish Intercom Calling Service	Not Avail.	Not Avail.	\$11.25	\$11.25

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PRICE LIST

Original Sheet No. 6

1 Service Ordering Charges - Rate Schedule (cont.)

	Complex		Simple	
	Residence Charge	Business Charge	Residence Charge	Business Charge
Exchange Service Charges				
- Local Exchange Service (1) One Way to two way, vice versa (2) One or two way to combination, vice versa				
- Telephone Number Changes (1) Change Charge (Charge applies for each change of a telephone number at the request of a customer as shown below) (a) Individual Exchange Service (b) Present number in one number dialer (c) Remote Call Forwarding	\$28.35	\$41.35	\$31.15	\$31.15
- Class of Service Change (1) Residence to Business (2) Business to Residence	\$17.90 Not Avail.	Not Avail. \$41.55	\$31.15 Not Avail.	Not Avail. \$31.15
- Assignment or Transfer of Service (1) Non-recurring Charge	\$17.90	\$41.55	\$9.80	\$9.80
- Multi-Ring Service	Not Avail	\$18.50	Not Avail.	Not Avail.

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PRICE LIST

Original Sheet No. 7

1 Service Ordering Charges - Rate Schedule (cont.)

	Non-Recurring Charge	USOC
Network Interface Jack Charges		
- Indoor Jacks		
(1) Miniature Modular Jack Note: The non-recurring charge for a miniature modular jack does not apply when provided at a simple residence and non-residence as a Network Interface	\$4.75	RJ11C
(2) Series Jack (a) Miniature ribbon connector jack	\$43.85 \$43.85	RJ3 RJ2
(3) Data Jacks (a) Programmed (b) Universal (c) Multiple line data jack for use with both fixed loss loop and programmable data equipment: Multiple line data jack common equipment for up to eight lines (i) Line circuit card (ii) Wall mounting with cover (iii) Rack Mounting	\$34.80 \$38.05 \$144.95 \$21.80 \$35.40 \$28.85	RJ45s RJ41s RJ26X RJ26S RJM3X RJM4X
- Outdoor Jacks		
(1) Outdoor Jack	\$21.85	JKT
(2) Movable Premises Equipment Equipment for telephones on trains and commercial vessels jack	\$43.85	JK3

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PRICE LIST

Original Sheet No. 8

1 Service Ordering Charges - Rate Schedule (cont.)

	Residence	Business
Returned Checks When payment for service is made by check, a charge will be made by the Company for each check returned by a bank to the Company for reason of non-sufficient funds. - per check	\$25.00	\$25.00

2 Basic Exchange Access Services - Rate Schedule - Rates for Basic Exchange Access Services are based upon class of service (as set forth in PNG Tariff No. 1 "Definitions" section) and access area (as defined in PNG's Tariff No. 1, Section _____). All rates in this Section are applied monthly unless specifically identified otherwise.

2.1 Network Access Lines - Monthly rates for network access lines are determined by class of service and by access area. The Customer's normal serving central office determines the applicable access area rate.

2.2 Central Office Termination - Furnishes dial tone along with a termination for the network access line to the serving central office for the placing and receiving of calls.

	Access Area		
	Area B	Area C	Area D
Residential Single Line - Non Rotary with Touch Tone (1) Network Access (2) Central Office Termination (3) Total	\$4.40 \$2.30 \$6.70	\$4.40 \$2.30 \$6.70	\$4.40 \$2.30 \$6.70
Business Single Line - Non-Rotary with Touch Tone (1) Network Access (2) Central Office Termination (3) Total	\$18.70 \$2.30 \$21.00	\$20.70 \$2.30 \$23.00	\$20.70 \$2.30 \$23.00

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PRICE LIST

Original Sheet No. 9

2 Basic Exchange Access Services -- Rate Schedule (cont.)

	Access Area		
	Area B	Area C	Area D
- Non-Rotary without Touch Tone			
(1) Network Access	\$17.70	\$17.70	\$17.70
(2) Central Office Termination	\$2.30	\$2.30	\$2.30
(3) Total	\$20.00	\$20.00	\$20.00
Business Multi Line			
- Rotary or PBX with Touch Tone			
(1) Network Access	\$18.70	\$20.70	\$20.70
(2) Central Office Termination	\$8.00	\$8.00	\$8.00
(3) Total	\$24.70	\$28.70	\$28.70
- Rotary or PBX without Touch Tone			
(1) Network Access	\$17.70	\$17.70	\$17.70
(2) Central Office Termination	\$8.00	\$8.00	\$8.00
(3) Total	\$23.70	\$23.70	\$23.70
These charges apply to Basic Exchange Access Services in addition to the charges found in Section _____ of PNG's Tariff No. 1.			

2.3 Local Usage Service -- Rate Schedule - All Local Usage Service Rates are applied per minute of use as follows unless otherwise specified. End user contracts are effective upon day of signing and will be filed with the PUCO within the ten (10) days of signing. End user contracts and carrier-to-carrier initial contracts and amendments will be subject to the PUCO rules in 95-845-TP-COI at pages 41-43. Carrier-to-carrier arrangements are included in Section _____ of PNG's Tariff No. 1.

2.3.1 Residential Local Usage Service

	Monthly Recurring Charge
Residence Local Usage Service	\$8.00

Local usage originating via a Company-provided, Residential Exchange Access Service. Flat rate offers unlimited local calls.

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PRICE LISTOriginal Sheet No. 10**2 Basic Exchange Access Services - Rate Schedule (cont.)****2.3 Local Usage Service - Rate Schedule (cont.)****2.3.1 Residential Local Usage Service (cont.)**

2.3.1.1 Operator Assisted Local Usage - When the Customer utilizes operator assistance, they will be charged an operator assisted surcharge in addition to the local or toll usage.

2.3.2 Measured Rate Services - The local usage charges are based upon three measured elements, i.e., the total number of outgoing local messages, the distance and the duration of each local message.

2.3.2.1 Local Measured Rate Charge Schedule

Rate Mileage	Initial Minute or Fraction Thereof	Additional Minute or Fraction Thereof
0-10	\$0.03445	\$0.00833
11-22	\$0.03978	\$0.01287
23 and over	\$0.04439	\$0.01630

2.3.3 Local Calling Plus Charge Schedule

Rate Mileage	Initial Minute or Fraction Thereof		Additional Minute or Fraction Thereof	
	Residence	Business	Residence	Business
0-10	\$0.04000	\$0.03394	\$0.01000	\$0.00798
11-22	\$0.04500	\$0.03850	\$0.01500	\$0.01202
23 and over	\$0.05000	\$0.04320	\$0.02000	\$0.01612

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In accordance with Case No. _____ issued _____.

PRICE LIST

Original Sheet No. 11

2 Basic Exchange Access Services -- Rate Schedule (cont.)2.3 Local Usage Service -- Rate Schedule (cont.)2.3.4 Message Rates and Charges

	Usage Package Monthly Rate
Business Non-Rotary	\$8.15
Business Rotary	\$8.15
Business PBX Trunk (Fixed Monthly)	\$10.00

2.3.5 Local Message Allowances and Charges - These monthly rates for usage packages associated with message rate services include the number of local messages specified below:

(a) All business, per usage package 73

(b) The charge per additional local message is \$.08

2.3.6 Local Message Toll Telephone Service - IntraLATA Toll - Message Toll Telephone Service provides for the furnishing of facilities, other than facilities for exchange service and facilities for mobile telephone service, for telephone communication between local service areas, in accordance with the regulations and system of charges.

	Initial Minute or Fraction Thereof		Additional Minute or Fraction Thereof	
Day Rate Mileage	Residence	Business	Residence	Business
Independent Telephone Company Territory and Operator Services - Schedule A				
0-10	\$0.310	\$0.310	\$0.160	\$0.160
11-22	\$0.340	\$0.340	\$0.220	\$0.220
23-55	\$0.340	\$0.340	\$0.220	\$0.220

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PRICE LISTOriginal Sheet No. 12**2 Basic Exchange Access Services -- Rate Schedule (cont.)****2.3 Local Usage Service -- Rate Schedule (cont.)****2.3.6 Local Message Toll Telephone Service - Intra LATA Toll (cont.)**

	Initial Minute or Fraction Thereof		Additional Minute or Fraction Thereof	
Day Rate Mileage (cont.)	Residence	Business	Residence	Business
56-124	\$0.340	\$0.340	\$0.220	\$0.220
125 and more	\$0.340	\$0.340	\$0.220	\$0.220
Evening and Night Rate Mileage				
0-10	\$0.120	\$0.120	\$0.045	\$0.045
11-22	\$0.160	\$0.160	\$0.088	\$0.088
23-55	\$0.160	\$0.160	\$0.088	\$0.088
56-124	\$0.160	\$0.160	\$0.088	\$0.088
125 and more	\$0.160	\$0.160	\$0.088	\$0.088
Independent Telephone Company Territory and Operator Services - Schedule B				
Day Rate Mileage				
0-10	\$0.140	\$0.160	\$0.120	\$0.160
11-22	\$0.180	\$0.200	\$0.170	\$0.190
23-55	\$0.200	\$0.200	\$0.200	\$0.200

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PRICE LIST

Original Sheet No. 13

2 Basic Exchange Access Services - Rate Schedule (cont.)2.3 Local Usage Service - Rate Schedule (cont.)

	Initial Minute or Fraction Thereof		Additional Minute or Fraction Thereof	
Independent Telephone Company Territory and Operator Services - Schedule B (cont.)				
Day Rate Mileage (cont.)	Residence	Business	Residence	Business
58-124	\$0.200	\$0.200	\$0.200	\$0.200
125 and more	\$0.160	\$0.160	\$0.088	\$0.088
Evening and Night Rate Mileage				
0-10	\$0.120	\$0.120	\$0.064	\$0.060
11-22	\$0.140	\$0.140	\$0.088	\$0.080
23-55	\$0.140	\$0.140	\$0.088	\$0.090
56-124	\$0.140	\$0.140	\$0.088	\$0.100
125 and more	\$0.140	\$0.140	\$0.088	\$0.100

2.3.7 Optional Message Toll Services

2.3.7.1 PNG EasyLink Rates and Charges - PNG EasyLink customers will be charged a fixed monthly rate, per account. This rate is in addition to the applicable usage rate. the monthly and usage rates are as set forth in the rate schedule below. A Customer's PNG EasyLink rate which corresponds to the original length of the customer's ValueLink contract or other contract being assumed by PNG.

Fixed Rate per account \$10.00

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PRICE LIST

Original Sheet No. 14

2 Basic Exchange Access Services -- Rate Schedule (cont.)2.3 Local Usage Service -- Rate Schedule (cont.)2.3.7 PNG EasyLink Rates and Charges (cont.)

	<u>Original Length of Contract Being Assumed</u>		
	<u>Month-to-Month</u>	<u>18 Months</u>	<u>36 Months</u>
Usage Rate per minute	\$0.19	\$0.17	\$0.15

2.3.8 PNG EasyLink Plus Rates and Charges

<u>Original Length of Contract Being Assumed</u>	<u>MMUC</u>	<u>EasyLink Plus Rate</u>
18 Months	\$50.00	\$0.16
18 Months	\$100.00	\$0.16
18 Months	\$250.00	\$0.16
18 Months	\$500.00	\$0.16
18 Months	\$1,000.00	\$0.16
18 Months	\$2,500.00	\$0.16
36 Months	\$50.00	\$0.14
36 Months	\$100.00	\$0.14
36 Months	\$250.00	\$0.14
36 Months	\$500.00	\$0.14
36 Months	\$1,000.00	\$0.14
36 Months	\$2,500.00	\$0.14

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 4839 Business Center Way
 Cincinnati, Ohio 45246

In accordance with Case No. _____, issued _____.

PRICE LIST

Original Sheet No. 15

2 Basic Exchange Access Services -- Rate Schedule (cont.)2.3 Local Usage Service -- Rate Schedule (cont.)2.3.9 PNG Enhanced EasyLink Plus Usage Rates

Original Length of Contract Being Assumed	MMUC	Peak Rate	Off Peak Rate
Month-to-Month	\$25.00	\$0.190	\$0.172
	\$50.00	\$0.190	\$0.172
	\$100.00	\$0.190	\$0.172
	\$250.00	\$0.190	\$0.172
	\$500.00	\$0.190	\$0.172
	\$1,000.00	\$0.190	\$0.172
	\$2,500.00	\$0.190	\$0.172

Original Length of Contract Being Assumed	MAUC	Peak Rate	Off Peak Rate
Twelve Months	\$300.00	\$0.190	\$0.172
	\$600.00	\$0.190	\$0.172
	\$1,200.00	\$0.190	\$0.172
	\$3,000.00	\$0.190	\$0.172
	\$6,000.00	\$0.175	\$0.155
	\$12,000.00	\$0.175	\$0.155
	\$30,000.00	\$0.155	\$0.135
Twenty-Four Months	\$300.00	\$0.165	\$0.160
	\$600.00	\$0.165	\$0.150

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PRICE LIST

Original Sheet No. 16

2 Basic Exchange Access Services -- Rate Schedule (cont.)2.3 Local Usage Service -- Rate Schedule (cont.)2.3.9 PNG Enhanced EasyLink Plus Usage Rates (cont.)

Original Length of Contract Being Assumed	MAUC	Peak Rate	Off Peak Rate
Twenty-Four Months (cont.)			
	\$1,200.00	\$0.165	\$0.150
	\$3,000.00	\$0.165	\$0.150
	\$6,000.00	\$0.140	\$0.125
	\$12,000.00	\$0.140	\$0.125
	\$30,000.00	\$0.120	\$0.105
Thirty-Six Months	\$300.00	\$0.155	\$0.140
	\$600.00	\$0.155	\$0.140
	\$1,200.00	\$0.155	\$0.140
	\$3,000.00	\$0.155	\$0.140
	\$6,000.00	\$0.130	\$0.120
	\$12,000.00	\$0.130	\$0.120
	\$30,000.00	\$0.110	\$0.100
Peak Period is from 8:00 AM to 5:00 PM, Monday through Friday			
Off Peak period is from 5:00 PM to 6:00 AM, Monday through Friday and all day Saturday and Sunday			

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PRICE LIST

Original Sheet No. 17

2 Basic Exchange Access Services -- Rate Schedule (cont.)2.3 Local Usage Service -- Rate Schedule (cont.)2.3.10 PNG EasyLink Premier Rates

Original Length of Contract Being Assumed	MMUC/MAUC	Peak Rate	Off Peak Rate
Month-to-Month	\$500.00	\$0.110	\$0.085
	\$1,000.00	\$0.110	\$0.085
	\$1,500.00	\$0.110	\$0.085
	\$2,000.00	\$0.110	\$0.085
	\$2,500.00	\$0.110	\$0.085
Twelve Months	\$8,000.00	\$0.110	\$0.085
	\$12,000.00	\$0.110	\$0.085
	\$18,000.00	\$0.110	\$0.085
	\$24,000.00	\$0.110	\$0.085
	\$30,000.00	\$0.110	\$0.085
Twenty-Four Months	\$8,000.00	\$0.095	\$0.075
	\$12,000.00	\$0.095	\$0.075
	\$18,000.00	\$0.095	\$0.075
	\$24,000.00	\$0.095	\$0.075
	\$30,000.00	\$0.095	\$0.075
Thirty-Six Months	\$8,000.00	\$0.095	\$0.075
	\$12,000.00	\$0.095	\$0.075
	\$18,000.00	\$0.095	\$0.075

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PRICE LISTOriginal Sheet No. 18**2 Basic Exchange Access Services -- Rate Schedule (cont.)****2.3 Local Usage Service -- Rate Schedule (cont.)****2.3.10 PNG EasyLink Premier Rates**

Original Length of Contract Being Assumed	MMUC/MAUC	Peak Rate	Off Peak Rate
	\$24,000.00	\$0.095	\$0.075
	\$30,000.00	\$0.095	\$0.075

2.3.11 PBX Systems

Original Length of Contract Being Assumed	MMUC/MAUC	Peak Rate	Off Peak Rate
Month-to-Month	\$500.00	\$0.110	\$0.085
	\$1,000.00	\$0.110	\$0.085
	\$1,500.00	\$0.110	\$0.085
	\$2,000.00	\$0.110	\$0.085
	\$2,500.00	\$0.110	\$0.085
Twelve Months	\$6,000.00	\$0.110	\$0.085
	\$12,000.00	\$0.110	\$0.085
	\$18,000.00	\$0.110	\$0.085
	\$24,000.00	\$0.110	\$0.085
	\$30,000.00	\$0.110	\$0.085
Twenty-Four Months	\$8,000.00	\$0.095	\$0.075
	\$12,000.00	\$0.095	\$0.075
	\$18,000.00	\$0.095	\$0.075

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PRICE LIST

Original Sheet No. 19

2 Basic Exchange Access Services -- Rate Schedule (cont.)

2.3 Local Usage Service -- Rate Schedule (cont.)

2.3.11 PBX Systems (cont.)

Original Length of Contract Being Assumed	MMUC/MAUC	Peak Rate	Off Peak Rate
Twenty-Four Months (cont.)	\$24,000.00	\$0.095	\$0.075
	\$30,000.00	\$0.095	\$0.075
Thirty-Six Months	\$6,000.00	\$0.095	\$0.075
	\$12,000.00	\$0.095	\$0.075
	\$18,000.00	\$0.095	\$0.075
	\$24,000.00	\$0.095	\$0.075
	\$30,000.00	\$0.095	\$0.075

2.3.12 Additional Volume Discounts

Volume Discount Schedule A		
Revenue	Month-to-Month	One Year Term
\$0-250	0%	2%
\$251-500	3%	5%
\$501-750	5%	7%
\$751-1,000	7%	9%
\$1,001-2,000	10%	11%
\$2,001-3,000	11%	13%
\$3,001+	12%	14%

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PRICE LIST

Original Sheet No. 20

2 Basic Exchange Access Services -- Rate Schedule (cont.)2.4 Additional Volume Discounts (cont.)

Volume Discounts Schedule B		
Revenue	Month-to-Month	One Year Term
\$0-250	0%	2%
\$251-500	3%	5%
\$501-750	5%	7%
\$751-1,000	7%	9%
\$1,001-2,000	10%	11%
\$2,001-3,000	11%	13%
\$3,001+	12%	14%

2.5 Resold Switched Access Service (Available only to carriers) - Resold Switched Access Service, which is not available at this time to Customers for their use in furnishing their services to End Users, will provide a two-point communications path between a Customer's Premises and an End User's Premises. It will provide for the use of common terminating, switching, and transport facilities. Resold Switched Access Service will provide the ability to originate calls from an End User's Premises to a Customer's Premises, and to terminate calls from a Customer's Premises location to an End User's Premises.

2.6 Interconnection - This section will be available only to carriers which are certified by the PUCO to provide intrastate local exchange service.

2.6.1 Local Traffic Exchange - Local Traffic Exchange provides the ability for another local exchange provider to terminate local traffic on the Company's network. In order to qualify for Local Traffic Exchange the call must be originated by an end user of a company that is authorized by the PUCO to provide local exchange service and must originate and terminate within a local calling area of the Company.

2.7 Resale/Resold Services - The section is available only to carriers which are certified by the PUCO to provide intrastate local exchange services.

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In accordance with Case No. _____, issued _____.

PRICE LISTOriginal Sheet No. 21**3 Optional Exchange Access Service Enhancement Features**

3.1 Generally - Services in this section may be purchased in addition to a Company-provided Exchange Access Service. These features are available only when purchased in combination with a Company provided Exchange Access Service.

3.2 Optional Exchange Access Service Enhancement Features -- Rate Schedule - Rates in this section are applied on a monthly basis unless otherwise specified.

<u>Feature</u>	<u>Residence</u>	<u>Business</u>
900 Special Access Code Blocking <ul style="list-style-type: none">Blocks access from a Company-provided Exchange Access Service to Customer dialed 900 numbers	\$0.00	\$0.00
976 Prefix Blocking Service <ul style="list-style-type: none">Blocks access from a Company-provided Exchange Service to Customer dialed 976 numbers	\$0.00	\$0.00
Alternate Answering <ul style="list-style-type: none">In the event that the telephone number is not answered within the Company-designated parameters, normally three to four rings, this feature automatically forwards incoming calls to a predetermined telephone number or a different central office switch. Multiple calls will be transferred simultaneously provided there are sufficient facilities to accept the calls.	\$0.75	\$0.75

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PRICE LIST

Original Sheet No. 22

3 Optional Exchange Access Service Enhancement Features (cont.)3.2 Optional Exchange Access Service Enhancement Features -- Rate Schedule (cont.)

<u>Feature</u>	<u>Residence</u>	<u>Business</u>
Automatic Call Back <ul style="list-style-type: none"> Allows a Customer to return most recent incoming calls whether answered or not. If the line to which the request is made is idle, the calls go through. If the line is busy, the automatic callback continues to attempt until the line is free. The request is deactivated after 30 minutes or six unanswered ring backs if the call is not completed. <ul style="list-style-type: none"> Monthly Recurring Charge Per Attempt Charge 	 \$4.00 \$0.75	 \$4.00 \$0.75
Busy Line Transfer <ul style="list-style-type: none"> In the event that the called telephone number is busy, this feature automatically forwards incoming calls to a predetermined telephone number served by the same central office switch, or provides inter-switch forwarding to a predetermined dialable telephone number where technically available. If incoming calls are transferred to a number served by the same or a different central office switch, multiple calls will be transferred simultaneously provided that there are sufficient facilities to accept the calls. Additional local usage charges can apply [see Section ____]. <u>This feature is not compatible with Call Waiting or Direct Inward Dialing Service.</u> 	 \$0.75	 \$0.75

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PRICE LIST

Original Sheet No. 23

3 Optional Exchange Access Service Enhancement Features (cont.)3.2 Optional Exchange Access Service Enhancement Features -- Rate Schedule (cont.)

Feature	Residence	Business
Call Control <ul style="list-style-type: none">Available with Residence Basic Exchange Access Service and Residence ISDN service. Customer has the ability to screen an outgoing call and then block or allow the call. This feature can be activated and deactivated and provides a PIN number to the subscriber. Customer can block long-distance, Operator Assisted, specific telephone numbers, prefix and/or area codes, and/or all outgoing calls.<ul style="list-style-type: none">per network access line so equipped	\$7.95	Not Avail.
Caller ID <ul style="list-style-type: none">This central office feature provides for the display of the incoming telephone number on a Customer provided display device attached to the Customer's telephone line or on a Customer-provided display screen. The Caller ID feature will forward the calling number from the appropriately equipped terminating central office to the Customer-provided display device. The Company will forward all telephone numbers subject to technical limitations.	\$6.10	\$6.10

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PRICE LISTOriginal Sheet No. 24**3 Optional Exchange Access Service Enhancement Features (cont.)****3.2 Optional Exchange Access Service Enhancement Features -- Rate Schedule (cont.)**

<u>Feature</u>	<u>Residence</u>	<u>Business</u>
Caller ID with Name <ul style="list-style-type: none">This central office feature is only offered to Customers being served by appropriately equipped central offices and subscribing to Caller ID. This feature provides for the display of the listed name associated with the telephone number from which the call is being made. The name will be delivered to a Customer-provided display device. The Company will forward all calling names subject to technical limitations	\$2.50	\$2.50
Call Forwarding <ul style="list-style-type: none">Permits a Customer to automatically transfer all incoming calls to another dialable telephone number. In addition to these charges, local usage charges as detailed in section _____ will apply.	\$4.00	\$4.00

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PRICE LISTOriginal Sheet No. 253 Optional Exchange Access Service Enhancement Features (cont.)3.2 Optional Exchange Access Service Enhancement Features - Rate Schedule (cont.)

Feature	Residence	Business
Call Forwarding - Temporary <ul style="list-style-type: none">• Call Forwarding - Temporary is an emergency protection service which provides a business subscriber with the ability to temporarily forward calls to an alternate working phone number. Call Forwarding - Temporary would typically be activated when an incident or outage prevents a subscriber from accessing its normal business telephone service. Prices for Call Forwarding - Temporary are in addition to applicable charges for service and equipment with which they are used.<ul style="list-style-type: none">• Single Activation Basis• per line equipped• Non-recurring charge	Not Available Not Available Not Available	\$47.50 \$0.90 \$5.00

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Cincinnati, Ohio 45248

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PRICE LISTOriginal Sheet No. 263 Optional Exchange Access Service Enhancement Features (cont.)3.2 Optional Exchange Access Service Enhancement Features -- Rate Schedule (cont.)

<u>Feature</u>	<u>Residence</u>	<u>Business</u>
Call Screening <ul style="list-style-type: none">This feature provides the Customer with the ability to prevent repeated calls from an unwanted caller whose number may or may not be known. The Customer receiving the call needs only to hang up and immediately dial the Call Screening access code which will deny the caller the ability to ring the Customer's telephone. In addition, the Customer has the ability to create a list of telephone numbers from which the Customer may not wish to receive calls. Calls from these telephone numbers will be sent an appropriate announcement indicating that the call cannot be completed because the Customer has activated Call Screening.	\$2.88	\$2.88
Call Trace <ul style="list-style-type: none">This feature will, upon successful Customer activation, automatically trace the telephone number of the line used for the last call received by the Customer. Call Trace is provided to Customers whose basic exchange access service includes only Residence lines. The traced number will not be provided to the Customer, but it will be provided to law enforcement officials upon the written request of the Customer.	\$3.50	\$3.50
Call Waiting <ul style="list-style-type: none">Provides a tone signal when a second call is coming in on a busy line.	\$7.50	\$7.50

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PRICE LIST

Original Sheet No. 28

3 Optional Exchange Access Service Enhancement Features (cont.)3.2 Optional Exchange Access Service Enhancement Features -- Rate Schedule (cont.)

<u>Feature</u>	<u>Residence</u>	<u>Business</u>
Message Waiting Tone <ul style="list-style-type: none">Allows an audible signal, stutter dial tone, to be present on the line when a message is waiting.	\$0.25	\$0.25
Multi-Ring Service <ul style="list-style-type: none">Multi-ring service is a local exchange telecommunications service that enables a Customer to have as many as three telephone numbers associated with a single line. Customers subscribing to this service will be able to receive calls dialed to two or three separate numbers without having a second or third access line. Distinctive ringing will be provided for each of the additional telephone numbers to facilitate identification of incoming calls. A distinctive Call Waiting tone for each additional telephone number will be provided, where facilities permit, to Customers subscribing to the Call Waiting feature of Custom Calling Service.<ul style="list-style-type: none">1st Line2nd Line	\$4.00 \$3.95	\$4.00 \$3.95

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PRICE LIST

Original Sheet No. 29

3 Optional Exchange Access Service Enhancement Features (cont.)

3.2 Optional Exchange Access Service Enhancement Features -- Rate Schedule (cont.)

<u>Feature</u>	<u>Residence</u>	<u>Business</u>
Remote Call Forwarding <ul style="list-style-type: none"> Remote Call Forwarding (CO Based) provides a method to automatically transfer all incoming calls to another dialed number at all times. The dialable number is user defined. The dialed number can be either 7 or 10 digit numbers [POTS] and can be changed via a service order. No physical telephone is required at the subscribed dialed number. Business Service Ordering and Line Connection Charges apply. 		
<ul style="list-style-type: none"> RCF per feature 	\$18.45	\$18.45
<ul style="list-style-type: none"> RCF Additional Paths 	\$18.45	\$18.45
<ul style="list-style-type: none"> RCF; 		
interstate/intraexchange	\$18.45	\$18.45
<ul style="list-style-type: none"> RCF; 		
intrastate/interexchange	\$18.45	\$18.45
<ul style="list-style-type: none"> RCF; 		
intrastate/intraexchange	\$18.45	\$18.45
Repeat Dialing <ul style="list-style-type: none"> Allows a Customer, by dialing a particular code, to re-dial a dialed number a specified number of times or until a party answers the call. 		
<ul style="list-style-type: none"> Monthly Recurring Charge 	\$4.00	\$4.00
<ul style="list-style-type: none"> Per Attempt Charge 	\$0.75	\$0.75

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PRICE LIST

First Revised Sheet No. 30
Replaces Original Sheet No. 30

3. Optional Exchange Access Service Enhancement Features (cont.)

3.2 Optional Exchange Access Service Enhancement Features – Rate Schedule (cont.)

Feature	Residence	Business
Speed Calling <ul style="list-style-type: none">Speed Calling permits the customer to place local and message toll calls to a pre-selected group of telephone numbers by dialing abbreviated codes. Speed calling is provided in capacities of eight or thirty telephone numbers.<ul style="list-style-type: none">8 number capacity30 number capacity	 \$3.50 (R) \$3.50 (R)	 (D) (D)
Three Way Calling <ul style="list-style-type: none">Adds a third party to an established connection without operator assistance.<ul style="list-style-type: none">MonthlyPer Attempt	 \$3.50 (R) (D)	 \$3.50 (R) (D)
<ul style="list-style-type: none">Feature Package Caller ID with Name Call Waiting Call Forwarding Variable Three-Way Calling Speed Dial 8	 \$7.99	 N/A

(N)
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(M)

*** (M) Material formerly located here was moved to Sheet No. 30.4***

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PRICE LIST

Second Revised Sheet No. 30
Replaces First Revised Sheet No. 30

3. Optional Exchange Access Service Enhancement Features (cont.)

3.2 Optional Exchange Access Service Enhancement Features - Rate Schedule (cont.)

Feature	Residence	Business
Speed Calling • Speed Calling permits the customer to place local and message toll calls to a pre-selected group of telephone numbers by dialing abbreviated codes. Speed calling is provided in capacities of eight or thirty telephone numbers. <ul style="list-style-type: none">• 8 number capacity• 30 number capacity	\$3.50 \$3.50	
Three Way Calling <ul style="list-style-type: none">• Adds a third party to an established connection without operator assistance.• Monthly• Per Attempt	\$3.50 \$0.70 (N)	\$3.50 \$0.70 (N)
<ul style="list-style-type: none">• Feature Package Caller ID with Name Call Waiting Call Forwarding Variable Three-Way Calling Speed Dial 8	\$7.99	N/A

PRICE LIST

Original Sheet No. 30.1

3. Optional Exchange Access Service Enhancement Features (cont.)

3.2 Optional Exchange Access Service Enhancement Features – Rate Schedule (cont.)

Feature	Residence	Business
Anonymous Call Rejection Allows a called party to reject calls from parties that have activated the *67 Per Call Blocking feature to prevent the display of the calling telephone numbers to Caller ID – Number Only Subscribers, or to prevent the display of the calling telephone numbers and associated main listed names to Caller ID Subscribers. Such calls will be routed to an announcement which tells the calling party that the called party will not accept calls from callers who have chosen to prevent the display of their telephone numbers and names. The calling party will be instructed to hang up and place the call again, without activating the *67 Per Call Blocking feature. Customers may activate or deactivate Anonymous Call Rejection by dialing an activation code. This arrangement is included with the Caller ID–Number Only and Caller ID features and is available to non-Caller ID–Number Only/Caller ID Customers.	\$3.50	\$3.50

(N)

(N)

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PRICE LIST

3. Optional Exchange Access Service Enhancement Features (cont.)

3.2 Optional Exchange Access Service Enhancement Features - Rate Schedule (cont.)

Feature	Residence	Business
Call Forwarding - Fixed, Busy Line, No Answer This feature, when activated, redirects attempted terminating calls to another PNG-specified line. Call originating ability is not affected by Call Forwarding-Fixed, Busy Line No Answer. The calling party is billed for the call to the called number. If the forwarded leg of the call is chargeable, the Customer with the Call Forwarding-Fixed, Busy Line No Answer is billed for the forwarded leg of the call.	\$3.50	\$3.50
Call Waiting with Caller ID with Name Provides a tone signal to indicate to a Customer already engaged in a telephone call that a second caller is attempting to dial in and allows a Customer to see a caller's name and number previewed on a display screen allowing a Customer to prioritize and/or screen incoming calls. This feature permits the Customer to place the first call on hold, answer the second call and then alternate between both callers. Call Waiting with Caller ID with Name Service requires the use of specialized Customer-provided equipment not provided by PNG. It is the Customer's responsibility to obtain such Customer-provided equipment.	\$3.50	\$3.50
Last Call Return (*69) This Service allows a Customer to return the most recent incoming call and hear an announcement of the last telephone number that called. To activate Return Call (*69), the Customer dials a code, then hears an announcement of the telephone number of the last party that called. If the Customer wishes to return the call right away, voice prompts will instruct the Customer to dial a certain digit and the call will automatically be returned.	Per Use: \$0.75 Monthly: \$5.00 (N)	Per Use: \$0.75 Monthly: \$5.00 (N)

PRICE LIST

Original Sheet No. 30.3

3. Optional Exchange Access Service Enhancement Features (cont.)

3.2 Optional Exchange Access Service Enhancement Features – Rate Schedule (cont.)

Feature	Residence	Business
Caller ID Per Call Blocking (*67) Blocks the Customer's name and number from being transmitted on all outgoing calls from a particular line. Per call blocking is achieved by pressing *67 prior to each call, while per line blocking blocks the name and number of every outgoing call. Dialing a special code prior to dialing the number of the person being called can unblock the number and name. Caller ID per call blocking is provided at no charge.	Per Use: \$0.00	Per Use: \$0.00
Caller ID with Name allows a Customer to see a caller's name and number previewed on a display screen before the call is answered allowing a Customer to prioritize and/or screen incoming calls. Caller ID records that name, number, date and time of each incoming call – including calls that are not answered by the Customer. Caller ID Service requires the use of specialized Customer-provided equipment not provided by PNG. It is the Customer's responsibility to obtain such Customer-provided equipment.	\$3.50	\$3.50
Call Forwarding-Variable A Customer activated feature that automatically transfers all incoming calls from the Customer's telephone number to another dialable telephone number until the Customer deactivates the feature. The calling party is billed for the call to the called number. If the forwarded leg of the call is chargeable, the Customer with the Call Forwarding-Variable is billed for the forwarded leg of the call.	\$3.50	\$3.50

(N)

(N)

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PRICE LIST

Original Sheet No. 30.4

4. Advantage Custom Business Service – Advantage Custom Business Service is an optional service arrangement of Electronic Switching System (ESS) and Data Management System (DMS) central office features which enables an individual exchange access customer serviced by the same central office to combine up to six exchange access lines into a group. The following rates and charges are for the Advantage System only, and are in addition to the applicable service and equipment charges, monthly rates and non-recurring charges for access lines and other services or equipment with which they are associated.

(M)

	<u>Non-Recurring Charge</u>	<u>Monthly Charge</u>
Service Establishment Charge, Per system	\$40.00	Not Available
Advantage System per line (includes Call Hold, Call Pickup, Transfer, Conferencing and Intercom)	Not Available	\$6.25

<u>Optional Features</u>		
• Call Waiting, per line	Not Available	\$1.50
• Call Forwarding, per line	Not Available	\$0.75
• Alternate Answering, per line	Not Available	\$2.00
• Convenience Dialing 30 (including initial access to list)		
• per list	Not Available	\$6.80
• each additional list	Not Available	\$1.30
• Feature Package 1 (including Call Forwarding and Call Waiting) per line	Not Available	\$2.00
• Feature Package 2 (including Call Forwarding and Alternate Answering) per line		
• Deluxe Call Transfer, per line	Not Available	\$2.40
• Distinctive Ringing, per line	Not Available	\$3.15
	Not Available	\$4.00

(M)

*** (M) Material located here was moved from Sheet Nos. 30 and 31 ***

PRICE LIST

First Revised Sheet No. 30.5
Replaces Original Sheet No. 30.5

4.1. Residential Bundled Services* Offered via Unbundled Network Elements- Rate Schedules

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4.1.1. PowerNet Global Unlimited Package

Unlimited local calling: Included with this Service.

Intrastate and Interstate**long distance calling: included with this Service.

Custom Calling Features included with Service: Caller ID with Name, Call Waiting, Call Forwarding Variable, Three-Way Calling and Speed Dial 8.

Individually available customer calling features may be added for an additional monthly charge.

Monthly Recurring Charge, Per Line

SBC	\$49.99
Verizon	\$49.99

4.1.2. PowerNet Global Basic Plus Bundled Service

Unlimited local calling: included with this Service.

Intrastate long distance calling may be utilized with this service, if presubscribed, at the following rates:

Direct Dialed InterLATA Toll	\$0.0690
Direct Dialed IntraLATA Toll	\$0.0690

Custom Calling Features included with this Service: Caller ID with Name, Call Waiting, Call Forwarding Variable, Three-Way Calling and Speed Dial 8.

Individually available custom calling features may be added for an additional monthly charge.

Monthly Recurring Charge, Per Line

SBC	\$29.99
Verizon	\$35.99

*These services are tariffed under Option 2 in compliance with disconnection procedures in Rule 4901:1-5-17 of the Commission's rules.

**Includes calls to Canada.

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PRICE LIST

Original Sheet No. 30.5.1

4.1A Residential Bundled Services Offered Via Resale* – Rate Schedules³

	Per Month	Per Minute
4.1(A)1. PowerNet Global Call to Connect Plus		
Per Line, Per Month	\$33.33	
IntraLATA and InterLATA toll usage over 120 minutes		\$0.069
4.1(A)2. PowerNet Global Call to Connect		
Per Line, Per Month	\$23.33	
IntraLATA and InterLATA toll usage over 120 minutes		\$0.069
4.1(A)3. PowerNet Global Call to Connect Simple		
Per Line, Per Month	\$ 19.33	
IntraLATA and InterLATA toll usage over 30 minutes		\$0.069

*These services are tariffed under Option 2 in compliance with disconnection procedures in Rule 4901:1-5-17 of the Commission's rules.

³ These services are offered in the SBC service area only.

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PRICE LIST

Original Sheet No. 30.6

4.2. Business Bundled Services* – Rate Schedules

4.2.1 PowerNet Global Unlimited Package for Business

Unlimited local calling: Included with this Service.

Intrastate and interstate** long distance calling: Included with this Service.

Custom Calling Features included with Service: Caller ID with Name, Call Waiting Call Forwarding Variable, Three Way Calling, Hunting.

Individually available custom calling features may be added for an additional monthly charge.

Monthly Recurring Charge, Per Line

SBC	\$55.00
-----	---------

4.2.2 PowerNet Global Basic Plus Package for Business

Unlimited local calling: Included with this Service.

Intrastate and interstate long distance calling may be utilized with this Service, if presubscribed, at the following rates:

Direct Dialed InterLATA Toll	\$0.0390
Direct Dialed IntraLATA Toll	\$0.0390

Monthly Recurring Charge, Per Line

SBC	\$45.00
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*These services are tariffed under Option 2 in compliance with disconnection procedures in Rule 4901:1-5-17 of the Commission's rules.

**Includes calls to Canada.

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PRICE LIST

First Revised Sheet No. 31
Replaces Original Sheet No. 31

(M)

5. Operator Assistance Surcharges: Operator Assistance Surcharges apply when a Customer utilizes either an automated or live Company-provided operator for purposes of completing or billing a call. Operator Assistance Surcharges apply in addition to either local usage or long-distance usage services as identified in Section 2.4.3 or 2.14 of this Tariff.

	<u>Residence</u>	<u>Business</u>
Busy Line Interrupt <ul style="list-style-type: none">Operator assists caller by first verifying the busy line and then by interrupting the communications on the line to alert the communicating parties of the caller's need to reach the busy line.<ul style="list-style-type: none">Per Call Completed	\$1.00 (R)	\$1.00 (R)

*** (M) Material formerly located here was moved to Sheet No. 30.4***

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(N)
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PRICE LIST

Original Sheet No. 32

5 Operator Assistance Surcharges (cont.)

	<u>Residence</u>	<u>Business</u>
Busy Line Verification <ul style="list-style-type: none">Operator assists caller by verifying the busy status of an exchange access line. Charged for each verification.<ul style="list-style-type: none">Per Call Completed	\$1.20	\$1.20
Collect Calls <ul style="list-style-type: none">Operator assists caller by verifying charges with and billing the call to the party receiving the call.<ul style="list-style-type: none">Per Call Completed	\$1.10	\$1.10
Person-to-Person <ul style="list-style-type: none">Operator assists caller by beginning to bill the call only when a specifically identified party answers the phone.<ul style="list-style-type: none">Per Call Completed	\$3.00	\$3.00
Third Number Billed <ul style="list-style-type: none">Operator assists caller by billing the call to a verified number other than the station number from which the call is being made or by which the call is received.<ul style="list-style-type: none">Per Call Completed	\$1.50	\$1.50

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Bernie Stevens, President
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4839 Business Center Way
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In accordance with Case No. _____, issued _____

PRICE LIST

Original Sheet No. 33

- 6 **Directory Services** - Directory services allow Customers to customize the manner in which their Company assigned telephone numbers appear in a published directory and/or are used by dialable directories and Company operators. This section applies only to services provided by the Company (See Sections ___ and ___ pertaining to Company liability for Customer information and its appearance in a public directory).

	<u>Residence</u>	<u>Business</u>
Alphabetical Directory Listing <ul style="list-style-type: none">One listing, without charge, is provided in the alphabetical section of the directory of the local exchange area in which the Customer's premises is located. This listing is termed the primary listing and is provided for each line provided pursuant to the Company's Exchange Access Service. Where two or more lines are arranged to hunt, all of those lines so arranged constitute a separate Customer service. <ul style="list-style-type: none">Per Month	\$0.00	\$0.00

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PRICE LIST

Original Sheet No. 34

5 Directory Services (cont.)

	<u>Residence</u>	<u>Business</u>
Cross Reference Listing <ul style="list-style-type: none"> Cross Reference listings cover: Names which are commonly spelled in more than one way, names of formerly existing business which have been superseded by that of the customer and, rearrangement of the names when such rearrangement is not for the purpose of securing a preferential position in the directory or for advertising purposes. Cross-Reference listings consist of a name, a reference to the primary listing, and if desired, a telephone number. Such listings do not include an address; however, if the telephone number is included, the city and state involved must also be shown when a message toll is involved. <ul style="list-style-type: none"> Per Month 	Not Available	\$1.95
Directory Assistance Call <ul style="list-style-type: none"> Directory assistance services furnish the Customer with either automated or operator assisted access to the Company's directory services database on a dial-up basis. A maximum of two number requests will be accommodated per directory assistance service call. <ul style="list-style-type: none"> Per Call Completed Operator Handled 	\$0.30 \$0.45	\$0.30 \$0.45
Directory Listing <ul style="list-style-type: none"> Optional arrangement for relaying messages to private listing service Customers, each message. 	\$1.80	Not Available

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In accordance with Case No. _____, issued _____.

PRICE LIST

Original Sheet No. 35

6 Directory Services (cont.)

	<u>Residence</u>	<u>Business</u>
Extra Listings <ul style="list-style-type: none">An Extra Listing is any listing of a name or information in connection with a Customer's access line number beyond that provided pursuant to the Alphabetical Directory Listing Service provided above.<ul style="list-style-type: none">Per month for each listing	\$0.90	\$1.95
Foreign Listings <ul style="list-style-type: none">Foreign Listings are those listings that exist in an alphabetical directory of an exchange other than that in which the listed service is furnished under the provisions applicable to regular additional listings in the alphabetical directory in which the foreign listing appears.<ul style="list-style-type: none">Per Month	Not Available	\$1.95
Information Call Completion <ul style="list-style-type: none">Information Call Completion (ICC) is available as an add-on to the Company's Directory Assistance Call Service. ICC allows the Customer to connect directly to a number requested via the Company's Directory Assistance Call Service by means of operator dialing.<ul style="list-style-type: none">Per Call Completed	\$0.30	\$0.30

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PNG Telecommunications, Inc.
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