



October 12, 2018

Ms. Amy Green
Secretary of the Commission
Kansas Corporation Commission
1500 SW Arrowhead Road
Topeka, KS 66604-4027

19-UTDT-144-TAR

Dear Ms. Green:

United Telephone Companies of Kansas d/b/a CenturyLink has enclosed for filing revisions to its General Exchange Tariff. Attachment A contains a list of pages that are included in this filing.

This filing deletes IntraLATA Wide Area Telecommunications Services (WATS). There are no customers currently subscribed to this service, and there is no anticipated demand for this service.

In compliance with existing rules, we make this filing on thirty days' advance notification, and anticipate a November 12, 2018 effective date.

If you have any questions regarding this filing, you may contact me at (913) 353-7087.

Sincerely,

A handwritten signature in black ink that reads "Robyn Crichton".

Robyn Crichton

cc: John Idoux, CenturyLink

KS 18-08 (UT)

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ATTACHMENT A
List of Pages

United Telephone Companies of Kansas d/b/a CenturyLink

The following pages from the General Exchange Tariff are included in this filing:

TOC	Third Revised Sheet 1
INDEX	Third Revised Sheet 4
Section 4	First Revised Sheet 11
Section 6	First Revised Sheet 3
	First Revised Sheet 4
	First Revised Sheet 22
	Second Revised Sheet 23
Section 10	First Revised Sheet 2
Section 13	First Revised Sheet 8
	First Revised Sheet 13
Section 24	Second Revised Sheet 11
	Second Revised Sheet 12
	Second Revised Sheet 16
	Second Revised Sheet 19
	First Revised Sheet 27
	First Revised Sheet 34
	First Revised Sheet 36
Section 25	First Revised Sheet 20
Section 29	First Revised Sheet 15

TABLE OF CONTENTS

<u>TITLE</u>	<u>Section Number</u>	
Connection with Certain Facilities of Customers	1	
Construction Charges	2	
Custom Calling Services	3	
Directory Services	4	
Special Promotions	5	
Explanation of Terms	6	
Foreign Exchange Service	7	
Franchise Taxes	8	
General Rules and Regulations Applying to All Customer Contracts	9	
Reserved	10	(D)
Mileage	11	
Reserved for Future Use	12	
Miscellaneous Equipment and Services	13	
Local Operator Services	14	
Payphone Line Service	15	
Private Lines and Equipment	16	
Reserved for Future Use	17	
Service Connection Charges	18	
Special Equipment and Assemblies	19	
FCC Designated N11 Services	20	
Interactive Video Service for Educational and Medical Uses	21	
United SwitchLink Plus Service	22	
Info-Link	23	
Integrated Services Digital Network (ISDN)	24	
Special Packaged Offerings	25	
Frame Relay Service	26	
Message Telecommunications Service	27	
Asynchronous Transfer Mode (ATM) Service	28	
Derived Channel Services	29	
Link Services	30	

INDEX

<u>Subject</u>	<u>Section</u>	<u>Sheet</u>
Telecommunication Service Priority (TSP)	9	27
Telephone Directories	9	5
Telephone Number	9	4
Temporary Service	2	4
Termination of Service	9	19
Termination or Refusal of Service	9	21
Toll and Casual Dialing Restriction	13	41
Toll Restriction	13	29
Touch-Tone	13	29
Translink Service	30	3
Tribal Link Up	18	6
Use of Service and Facilities	9	8
U.S. Army, Navy and Air Force	1	17
U.S. Coast Guard and U.S. Army National Guard	1	17
U.S. Government Executive Departments and Agencies	1	18
United Switchlink Plus Service	22	2
Universal Emergency Number Service (911)	20	2
Vanity Telephone Number Listings	4	6
Voice Business Continuity	13	46
Waiver of Charges (Promotions)	18	5

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DIRECTORY SERVICES

14. DIRECTORY ASSISTANCE SERVICE

A. General

- 1) The Telephone Company furnishes local, long distance and national Directory Assistance Service whereby customers may request assistance in determining telephone numbers or names associated with directory listings of individuals and/or businesses. Where technically feasible, customers may have their calls to the requested telephone number completed by the automated directory assistance system.
- 2) A Directory Assistance Service Charge applies when customers request assistance in determining telephone numbers or names in the local calling area in which the customer receives local exchange service (local directory assistance), telephone numbers or names located outside the local calling area but within the customer's Home Numbering Plan Area (HNPA) (long distance directory assistance), or telephone numbers or names that are located outside the customer's HNPA (national directory assistance).
- 3) Directory assistance call completion is provided with directory assistance at no additional charge where technically feasible. Customers who dial directory assistance service may choose to have the requested telephone number automatically dialed and the call completed by the automated directory assistance system. When the customer receives the requested directory number from the automated directory assistance system, the customer will hear the directory assistance call completion announcement prompt offering to automatically dial the requested number. The customer will be prompted to activate directory assistance call completion by depressing a specific digit on a touch-tone telephone during the Directory Assistance Call Completion announcement prompt. Directory assistance call completion is not available when requesting the name associated with a directory listing.

B. Regulations

- 1) A maximum of two requested telephone numbers or names will be provided per directory assistance call. If two telephone numbers are requested in a single directory assistance call, directory assistance call completion is available only for the second telephone number provided.
- 2) Directory assistance call completion service is not available to the following customer groups:
 - Hospitals
 - Hotels/Motels
 - Prisons/Inmates
 - Interexchange Carriers
 - Mobile
 - Payphone Line Service

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EXPLANATION OF TERMS

CLASS OF SERVICE

A description of service furnished a customer in terms such as:

a. For Exchange Service:

Grade of Line	Individual line, Key Trunk, PBX Trunk, etc. (See also "Primary Class of Service")
Type of Rate:	Flat rate or measured rate
Character of Use:	Business or residence
Dialing Method:	Touch Tone

b. For Long Distance Message Telecommunications Service:

Type of Call: Station-to-station or person-to-person

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COLLECT CALL

The procedure by which certain messages, upon request, may be reversed (charged to the called line) upon acceptance of the call at the called line.

COMMON EQUIPMENT

See Private Branch Exchange Service.

COMMUNICATING DEVICE

A device consisting of a transmitter, receiver, network control signaling unit, and associated apparatus and so connected as to permit the sending and receiving of telecommunication messages through the exchange and long distance network.

COMMUNICATIONS SYSTEMS

Channels and other facilities which are capable, when not connected to telecommunication service, of 2-way communication between customer-provided terminal equipment or Company stations.

EXPLANATION OF TERMS

COMPANY

Whenever used in this tariff, "Company" refers to United Telephone Companies of Kansas, unless the context clearly indicates otherwise.

COMPANY ATTENDED PUBLIC TELEPHONE

See Public Telephone.

COMPANY STATION

See Station.

COMPLEX BUSINESS SERVICE

Service in which more than two business access lines, **data, foreign** exchange or private lines (D) terminate in telecommunication apparatus.

COMPLEX INSIDE WIRE

Inside wire, including associated connectors, jacks and miscellaneous materials located within a complex business customer's premise and on the customer's side of the network interface.

CONNECTING ARRANGEMENT

The term "connecting arrangement" denotes the protective equipment used to accomplish the direct electrical connection of customer-provided facilities with the facilities of the Company when such customer-provided equipment does not conform to Part 68 of the FCC Rules and Regulations for direct connection of customer-provided terminal equipment.

CONNECTING COMPANY

A corporation, association, firm or individual owning and operating a toll line or one or more central offices and with whom traffic is interchanged.

CONNECTING STATION

An exchange or toll station of a connecting company.

CONSTRUCTION CHARGE

A separate initial charge made for construction of pole lines, circuits, facilities, etc., in excess of that contemplated under the rates quoted in the exchange tariffs.

EXPLANATION OF TERMS

TELECOMMUNICATIONS SERVICE

The service offered by the Company accessing the exchange switching network including, but not limited to those service covered by the General Exchange, Local Exchange, Message **Toll, Private** Line, and Mobile Telephone Service Tariffs.

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TELEPHONE NUMBER

A designation assigned to a central office line or trunk for convenience in placing calls and for identification in the assessment of message charges, etc.

TELEPHONE OR TELECOMMUNICATIONS NETWORK

The local telephone exchange and long distance message telecommunications facilities, or network, both inter and intra-state.

TELEPHONE STATION

See Station.

TELETYPEWRITER

An electrically controlled form of a typewriter upon which typewritten messages may be sent and received between similar teletypewriters when connected by wire circuit.

TEMPORARY DISCONNECTION

See Suspension of Service.

TERMINATION CHARGE

A charge made to liquidate a customer's obligation for termination of service prior to the expiration of the initial contract period.

EXPLANATION OF TERMS

TOLL MESSAGE

See Message.

TOLL RESTRICTION

A service that enables the customer, by means of Telephone Company operator identification, to restrict outgoing toll calls from station users and prohibits the charging of calls to the customer's telephone number(s) via alternate billing arrangements, such as third number or collect billing.

TOLL SERVICE

See Long Distance Message Telecommunications Service.

TOLL TERMINAL SERVICE

A service arrangement through which long distance service only is furnished.

TRIBAL LINK UP

Tribal Link Up is a federal program designed to provide a discount on connection charges for qualified residents living on federally recognized Tribal Lands. Tribal Lands include any federally recognized Indian tribe's reservation, pueblo, or colony.

TRUNK JACKS

The jacks on a private branch exchange switchboard for the connection of private branch exchange trunk lines.

TOUCH-TONE CALLING SERVICE

See Exchange Service.

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RESERVED FOR FUTURE USE

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MISCELLANEOUS EQUIPMENT AND SERVICES

3. CENTREX (Continued)*

B. Rules and Regulations (Continued)

- 8) The assignment of telephone numbers for the Centrex Service lines shall be in accordance with the General Rules and Regulations of this tariff.
- 9) Telephone Company central offices with Centrex switching arrangements, providing access **to Tie** Lines, Foreign Exchange Lines, etc., are considered to be customer premises for the purposes of this section of the tariff. (D)
- 10) Extended Area Service (EAS) rates found in the Local Exchange Tariff will be in addition to the Centrex Service rates for all Public Access lines in those exchanges offering EAS.
- 11) End User Common Line Charges will apply to all lines as prescribed by United Telephone's Interstate Access Service Tariff (FCC No. 5).
- 12) Service Order Charge and a Facility Administration Charge per Centrex line will apply when changing service (adding or deleting lines or changing software). These charges can be found in Section 18 of this tariff.

C. Definitions

Automatic Line - This feature provides an automatic connection between a calling station, by going off hook, and a predetermined terminating number.

Automatic Route Selection - Automatic Route Selection (ARS) allows an outgoing call to be automatically completed by the least cost route available. The selection of routes is determined by the customer. If the primary route is busy, the ARS feature automatically tries alternative routes as prioritized.

Call Back Queuing - Call Back Queuing allows a station user encountering an all trunks busy condition to activate the Call Back Queuing feature and hang up. When a circuit becomes idle, the system will recall the user, and when they answer, automatically place the call. Call Back Queuing only affects outgoing local trunks on an originating basis.

Call Forwarding - Call Forwarding allows a Centrex station user to have incoming calls to his station automatically forwarded to a predetermined telephone number. Four (4) types of Call Forwarding are available: Call Forward Universal, which re-routes incoming calls to another telephone number; Call Forward Intragroup, which reroutes incoming calls to only those stations within the same customer group; Call Forward Busy, which directs incoming calls to a busy station to be forwarded to a designated station or attendant; and Call Forward Don't Answer, which routes incoming calls to another designated station or attendant if the called station does not answer within a specified time. Call Forward Universal and Call Forward Intragroup are user programmable; Call Forward Busy is not.

* Limited to existing customers at existing locations as of August 12, 2003.

MISCELLANEOUS EQUIPMENT AND SERVICES

3. CENTREX (Continued)*

C. Definitions (Continued)

Meridian Three-Way Conference/Call Transfer - This feature allows a Meridian station user to include a third party in the call and then optionally transfer the call to the third party.

Message Waiting - This feature permits a station user to dial a code to access the person who activated the Message Waiting feature. It also permits the station to activate Message Waiting for another station. Stuttered dial tone will also be used to inform users that a message is waiting for them.

Multiple Appearance Directory Number - A directory number that is assigned to more than one specialized business set or single line set is called a Multiple Appearance Directory Number (MADN). The telephone sets that are assigned this number are known as a MADN group. MADN groups can be comprised of 2 to 32 stations and configured in either single call arrangements or multiple call arrangements.

Music On Hold - Software Interface - An optional feature that provides for music to be played to a caller while he/she is placed on hold. The music source is provided by the subscriber and requires an additional Centrex line to carry the music to the central office.

Network Class of Service - The Network Class of Service (NCOS) feature in the Centrex system defines the specific features and calling patterns available to individual stations and attendants within a customer group. Access code restrictions can be set up to restrict stations and attendants from trunk types such as local, toll, **and DID**. Also, the ability to use certain features like Network Speed Call, Call Back Queuing and Off Hook Queuing are assigned by NCOS.

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Off Hook Queuing - Off Hook Queuing enables a call that cannot be completed because no outgoing trunk is available to wait off hook in queue for an idle trunk. Once a trunk is available, the call progresses normally.

Permanent Hold - The Permanent Hold option allows a Centrex station user to put an active call on hold and return the handset to the cradle.

Ring Again - A station user encountering a busy directory number can choose to be notified when the busy station becomes idle and automatically re-access that same number using the Ring Again feature. Both stations must be in the same customer group and be served by the same central office.

* Limited to existing customers at existing locations as of August 12, 2003.

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

2. PRIMARY RATE INTERFACE (PRI)

Effective December 7, 2012, this service is limited to existing facilities in service at existing locations for current customers. Current customers may migrate existing services to Integrated Services Digital Network-Primary Rate Interface (ISDN-PRI) Business Service in Section 24.3 of this Tariff at any time without incurring any Nonrecurring Charges or Service Charges. TDP customers may migrate existing services without incurring termination liability charges when they select a commitment period equal to or greater than the length of time remaining under their existing TDP.

A. General

- 1) Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service is a local exchange offering supported by the ISDN architecture.
- 2) ISDN-PRI Service provides a method of access to the telephone network called Primary Rate Access. Primary Rate Access is an ISDN based, DS1 access link to the telecommunications network and provides integration of multiple voice and data transmission channels on the same line. The service provides connectivity between an ISDN-PBX or other ISDN-compatible CPE and a serving central office. The basic channel structure for Primary Rate Access is twenty-three 64 Kbps B-Channels and one 64 Kbps D-Channel. After purchasing the original 23 B-Channel plus one D-Channel configuration, the customer may purchase another Primary Rate Access Line and another Primary Rate Interface as well as additional B-Channels in increments of 12.

These channels may be used to connect the customer's CPE to the Public Network (i.e., outward, inward, and two-way **trunks**).
- 3) ISDN-PRI Service provides network communication paths providing the end user with access to a variety of network services and features including data, voice and video which conforms to internationally developed, published, and recognized standards generated by the International Telecommunications Union (ITU).
- 4) Unless specified, the regulations for ISDN-PRI Service apply in addition to the General Regulations set forth in this tariff.
- 5) ISDN-PRI Service and its optional features and functions are provided within a LATA from central offices where appropriate ISDN facilities are available as determined by the Company. Service inquiries will be necessary to determine availability. Special Construction charges may apply as specified in Section 2 of this tariff.

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

2. PRIMARY RATE INTERFACE (PRI) ⁽¹⁾ (Continued)

B. Regulations

- 1) The customer is responsible for providing Customer Premises Equipment (CPE) that is compatible with ISDN-PRI Service.
- 2) The Company shall not be responsible if changes in any of the equipment, operations or procedures of the Company utilized in the provisioning of ISDN-PRI Service render any facilities provided by the customer obsolete or require modification or alteration of such equipment or system or otherwise affect its use or performance.
- 3) Digital transmission rates at speeds less than those indicated may be accomplished as a function of the particular CPE furnished by the user.
- 4) Service Charges in Section 18 of this tariff apply unless specific Service Connection Charges are otherwise stated in Section 24.II.G.7.
- 5) The minimum service period for ISDN-PRI Service is six months.
- 6) The customer is responsible for payment of a Maintenance of Service Charge, as set forth in Section 13 of this tariff, for visits by the Company to the customer's premises when a service difficulty resulting in a trouble report is caused by the use of equipment or facilities provided by the customer.
- 7) Telephone numbers transmitted via the Optional or Standard Incoming Call Identification feature are intended solely for the use of the ISDN-PRI Service subscriber. Resale of this call identification information is prohibited by this tariff.
- 8) **Reserved**
- 9) Non-Facility Associated Signaling (NFAS) provides the capability to serve multiple DS1's via a single D-Channel. This feature can be ordered where switch capabilities exist as determined by the Company. When NFAS is selected, the customer will order one ISDN-PRI Service arrangement with 23 B-Channels and 1 D-Channel. Additional ISDN-PRI Services arrangements are ordered with 24 B-Channels as specified in Section 24.II.F. The D-Channel activated on the initial arrangement serves the additional ISDN-PRI arrangements.

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After the first 23B + D PRI is purchased, a customer can purchase additional B-Channels in increments of 12. Additional Primary Rate Access Lines may be ordered in a 24B configuration. The Company recommends that the quantity of Primary Rate Access Lines supported by one (1) D-Channel not exceed four (4). The Company recommends the use of a backup D-Channel for the support of signaling beyond four (4) facilities.

⁽¹⁾ Effective December 7, 2012, this service is limited to existing facilities in service at existing locations for current customers.

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

2. PRIMARY RATE INTERFACE (PRI) ⁽¹⁾ (Continued)

D. Features (Continued)

1) Standard Features (Continued)

PBX Station ID Capability

Allows the station users number (calling party) to be transmitted over the ISDN-PRI D-Channel from Direct Inward Dialing equipped CPE PBXs that use ISDN-PRI. This number is provided by the originating station and must have an associated Direct Inward Dialing telephone number working in the central office.

2) Optional Features

D-Channel Backup

Provides backup for the D-Channel for a customer with multiple PRI lines by automatically switching signaling capability over to another D-Channel if service to the primary D-Channel is interrupted.

Network Ring Again

Enables the customer to complete calls to a busy station without continually redialing. Certain equipment restrictions may apply.

Call-by-Call/Integrated Service Access Feature Capability

Allows the customer to dynamically allocate the use of channels for ISDN-PRI Service. The customer may also choose voice or data transmission on a per call basis. In addition, the customer may also choose to subscribe to more services than channels. The Customer Premises Equipment signals the local central office as to which type of service (inward/outward **trunk**) to access for each call.

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Incoming Call Identification (Caller ID Name and Number)

Provides the customer with the telephone number and name of the calling party. Incoming call identification is provided via the D-Channel associated with incoming calls on a B-Channel to a PBX. The customer's equipment must be compatible with this service.

⁽¹⁾ Effective December 7, 2012, this service is limited to existing facilities in service at existing locations for current customers.

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

2. PRIMARY RATE INTERFACE (PRI) ⁽¹⁾ (Continued)

E. Service Components

1) The components for ISDN-PRI Service will be as follows:

- Primary Rate Access Line
- Primary Rate Interface
- Primary Rate Channels

a. Primary Rate Access Line - Will provide a four-wire access loop from the customer premises to the serving central office. The transmission via this loop supports Clear Channel Capability.

b. Primary Rate Interface - Provides the multiplexing to support up to twenty-three (23) B-Channels at 64 Kbps and one (1) D-Channel for signaling also at 64 Kbps. When NFAS is ordered, the Primary Rate Interface can provide up to twenty-four B-Channels at 64 Kbps.

c. Primary Rate Channels - Will provide unlimited usage of channel that will allow either voice or data transmission up to 64 Kbps.

(1) Voice calls may be completed to both ISDN and non-ISDN lines.

(2) Data Transmission on the B-Channels will be at 64 Kbps within the switch and between ISDN compatible central offices. ISDN interconnection to non-ISDN equipped central offices may be potentially subjected to analog transmission or sub-rated to 56 Kbps.

(3) The customer may choose to subscribe to additional non-exchange based **services**. The subscription to these services is in addition to the charges for ISDN-PRI Service.

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2) With the first ISDN-PRI Primary Rate Access Line the customer is required to purchase 23 B-Channels and an initial D-Channel.

After the initial 23B + D configuration, the customer may choose channels in increments of 12 up to twenty-three B + D or twenty-four B with NFAS, per ISDN-PRI Primary Rate Access Line (facility) to be active with a corresponding number of services (i.e., inward/outward **trunks**) selected. The customer may also choose to subscribe to more services than channels. The Customer Premises Equipment signals the local central office as to which type of service (inward/outward **trunk**) to access for each call.

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⁽¹⁾ Effective December 7, 2012, this service is limited to existing facilities in service at existing locations for current customers.

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

3. INTEGRATED SERVICES DIGITAL NETWORK-PRIMARY RATE INTERFACE (ISDN-PRI)
BUSINESS SERVICE

A. General

- 1) Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Business Service ("ISDN-PRI Business Service") is a local exchange offering supported by the ISDN architecture.
- 2) ISDN-PRI Business Service provides a method of access to the telecommunications network called Primary Rate Access. Primary Rate Access is an ISDN based, DS1 access link to the telecommunications network and provides integration of multiple voice and data transmission channels on the same line. The service provides connectivity between an ISDN-PBX or other ISDN-compatible customer premises equipment ("CPE") and a serving central office. The basic structure for Primary Rate Access is comprised of twenty-three 64 Kbps B-Channels and one 64 Kbps D-Channel, referred to hereafter as "23-B+D". After subscribing to the original 23-B+D configuration, the customer may subscribe to additional ISDN-PRI Business Service arrangements in as 23-B+D or as 24-B Channels. These channels may be used to connect the customer's CPE to the Public Network (i.e., inward/outward trunks **or** two-way **trunks**).
- 3) ISDN-PRI Business Service provides network communication paths that provide the end user with access to a variety of network services and features including data, voice and video which conforms to internationally developed, published, and recognized standards generated by the International Telecommunications Union (ITU).
- 4) ISDN-PRI Business Service and its optional features and functions are provided within a local access and transport area ("LATA") from central offices where appropriate ISDN facilities are available as determined by the Company. Service inquiries will be necessary to determine availability. Special Construction charges may apply as specified in Section 2 of this tariff.

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

3. INTEGRATED SERVICES DIGITAL NETWORK-PRIMARY RATE INTERFACE (ISDN-PRI)
BUSINESS SERVICE (Cont'd)

D. Features (Cont'd)

2) Optional Features (Cont'd)

Call-by-Call/Integrated Service Access Feature Capability - Allows the customer to dynamically allocate the use of channels for ISDN-PRI Business Service. The customer may also choose voice or data transmission on a per call basis. In addition, the customer may also choose to subscribe to more services than channels. The CPE signals the local central office as to which type of service (**i.e.**, via inward/outward **trunk**) to access for each call. This feature is only available with two-way Primary Rate Interface.

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Circular Hunt - Provides the most efficient hunting sequence available and allows for much larger trunk groups than the standard ISDN-PRI Business Service packages. With circular hunt, an incoming call is completed to the next available trunk (bearer) in sequence starting from the last trunk selected. This can occur across multiple PRI facilities. The feature can support up to 220 Primary Rate Interfaces in a single hunting configuration. The standard limit is 50.

D-Channel Backup – Provides backup for the D-Channel for a customer with multiple ISDN-PRI Business Service arrangements by automatically switching signaling capability over to a back-up D-Channel if service to the primary D-Channel is interrupted.

E911 Call Screening - Provides for the transmission of PBX or Key System station information via the ISDN-PRI facility to local emergency services authorities. This provides for the possible identification of the specific location on a customer's premises where a 911 call originated. This option is available only in communities where local emergency authorities support the service in conjunction with the Company's Private Switch Database Service, associated with E911 Service. This service is only available in conjunction with National ISDN-2 Protocol.

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

3. INTEGRATED SERVICES DIGITAL NETWORK-PRIMARY RATE INTERFACE (ISDN-PRI)
BUSINESS SERVICE (Cont'd)

E. Service Components

1) Each ISDN-PRI Business Service arrangement consists of the following functional components:

- Primary Rate Access Line
- Primary Rate Interface
- Primary Rate Channels

a. Primary Rate Access Line - Provides a four-wire access loop from the customer premises to the serving central office. The transmission via this loop supports Clear Channel Capability. One Primary Rate Access Line is provided for every 24 channels.

b. Primary Rate Interface - Provides the multiplexing to support up to twenty-three B-Channels at 64 Kbps and one D-Channel for signaling also at 64 Kbps. When NFAS is ordered, the Primary Rate Interface can provide up to twenty-four B-Channels at 64 Kbps. Primary Rate Interfaces may be provisioned as one-way or two-way.

c. Primary Rate Channels - The initial ISDN-PRI Business Service arrangement consists of a 23-B+D configuration, with unlimited usage that will allow either voice or data transmission up to 64 Kbps. Additional arrangements may be ordered as either 23-B+D or 24-B Channel arrangements.

(1) Voice calls may be completed to both ISDN and non-ISDN lines.

(2) Data Transmission on the B-Channels will be at 64 Kbps within the switch and between ISDN-PRI compatible central offices. ISDN-PRI interconnection to non-ISDN-PRI equipped central offices may be potentially subjected to analog transmission or sub-rated to 56 Kbps.

(3) The customer may choose to subscribe to additional non exchange based **services**. The subscription to these services is in addition to the charges for ISDN-PRI Business Service. (D)

2) Each Primary Rate Access Line may be active with a corresponding number of services (**i.e.**, inward/outward **trunks**) selected. The customer may also choose to subscribe to more services than channels. The CPE signals the local central office as to which type of service (inward/outward **trunk**) to access for each call. (D)

SPECIAL PACKAGED OFFERINGS

3. CENTREX SERVICE II (Continued)

B. Definitions (Continued)

Call Hold

Allows the station user to hold one call for any length of time provided neither party hangs up. The station user may also place other calls while a call is on hold.

Call Park

Allows the station user to park one call against its own directory number. The parked call can be retrieved from any station within the same customer group. Once a call is parked against a directory number, the user is free to make or receive calls on that directory number.

Call Pick Up

Allows the station user to answer incoming calls directed to another station within a defined pick-up group by dialing a feature activation code.

Call Transfer

Allows a station to transfer an incoming call to another extension.

Call Waiting – Cancel Call Waiting

Informs a station user, while on an established call, that a second call is waiting. Cancel Call Waiting allows a station user to prevent, on a per-call basis, any incoming calls from call-waiting on his or her line. Incoming calls to the station are given busy treatment. This feature ensures that call-waiting indication tones will not interrupt important calls or disrupt data transmissions.

Class of Service Restrictions

Defines the specific features and calling patterns available to stations and attendants within a customer group. Access code restrictions can be set up to restrict stations and attendants from trunk types such as local, toll, **and DID**. The following options are available:

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Fully Restricted Service:	Allows intragroup dialing only. The station user must dial 9.
Toll Restricted Service:	Allows intragroup and local dialing only. The station user must dial 9.
Unrestricted Service:	Allows full access to all facilities. The station user must dial 9.
Unrestricted Assume Dial 9:	Same as unrestricted; however, the station user cannot utilize abbreviated dialing.

Note: 900 and 976 blocks are available with all options.

DERIVED CHANNEL SERVICES

2. DIGITAL TRUNKING SERVICE (Continued)

B. REGULATIONS (Continued)

1) Description of Service (Continued)

- h. A Channel Service Unit (CSU) or appropriate termination equipment provided by the customer is required at a customer's or authorized user's premises to perform such functions as:

- proper termination of the service
- amplification
- signal shaping
- remote loop-back

2) Definitions

- a. Channel Service Unit (CSU) – The term "Channel Service Unit (CSU)" denotes equipment provided by the customer to terminate a digital facility on the customer's premises.
- b. DS1 - This denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It has a 1.544 Mbps transmission data rate and provides for the two-way simultaneous transmission of isochronous times, Bipolar Return-to-Zero (BPRZ) bit stream format, except where intentional bipolar violations are introduced by Bipolar with 8 Zero Substitution (B8ZS) format. Unframed signal formats are not permitted or compatible with Company equipment. The required format and interface specifications are contained in Technical Reference Publications GR-54 and GR-342.
- c. Nonrecurring Charge - A one-time charge for the initial installation, the installation of functions and features and service rearrangements.
- d. Serving Wire Center - The local telephone central office assigned to subscribers in a predetermined geographic area.