5. Appendix 1 - Region Specific Services - Technical Descriptions for Dedicated Network Access Link Serving Arrangements

Call Event and Management Signaling Service (CEMSS) (8063)

Call Event and Management Signaling Service (CEMSS) provides a mediated service interface between a customer-provided application platform and a telephone company gateway. CEMSS allows providers to send specific Internet Protocol (IP) messages through the Company gateway. The messages will be routed to the telephone company Advanced Intelligent Network (AIN) Service Control Point (SCP) for interaction with certain basic services associated with the subscriber local loop designated by the CEMSS customer. CEMSS may be used by service providers to obtain call event messages, perform call control functions and as a means to access and manage AIN service parameters associated with subscriber lines served from telephone company AIN-capable local switches.

Generic Name of ONA Service	Product Name	BSE or CNS
Call Event and Management Signaling Service (CEMSS)	Qwest – Call Event and Management Signaling Service (CEMSS)	BSE

Reference: not available.

CEMSS Subscriber (8064)

Call Event and Management Signaling Service (CEMSS) Subscriber is an Advanced Intelligent Network (AIN) based feature required for interaction with the CEMSS application. Two AIN triggers are provisioned on CEMSS Subscriber lines in the telephone company network to allow feature management and interaction via the AIN Service Control Point (SCP).

Generic Name of ONA Service	Product Name	BSE or CNS
Call Event and Management Signaling Service (CEMSS) Subscriber	Qwest – CEMSS Subscriber	CNS

Reference: not available.

Order Entry Service (8011)

This capability delivers to an ESP the ANI of callers to certain telephone numbers along with the called number. **The call is not delivered to the ESP.** The ANI and called number are forwarded by the telephone company via a private line data link. This capability currently supports cable television pay-per-view applications. The ANI identifies which client ordered the service and the called number indicates which service (television broadcast) was ordered.

Generic Name of ONA Service	Product Name	BSE or CNS
Order Entry Service	Qwest - ANI Order Entry Service	BSE

References: not available.

This service, if offered as a BSE, is associated with the Dedicated Network Access Link basic serving arrangement.

Initial Address Message (2006)

Signaling System Seven (SS7) provides out of band transmission of SS7 protocol signaling information between the end office switching system or the tandem office switching system and the customer's designated premises. The SS7 Signaling option requires the customer to purchase Signal Transfer Point Access and the Basic Initial Address Message Delivery option. This feature is available in SS7 signaling equipped end or tandem offices with Feature Group D and terminating Feature Group B.

The Initial Address Message provides the ESP a common switching optional feature using an SS7 messag along with other information relating to the routing and handling of the call to the next switch.

The Initial Address Message Delivery option requires the customer to purchase Signal Point Access and SS7 Signaling option.

Generic Name of ONA Service	Product Name	BSE or CNS
Initial Address Message	AM - Initial Address Message	BSE

FEATURE OPERATION:

This Initial Address Message option permits the following optional SS7 signaling call setup parameters: User Service Information, Called Party Number, Calling Party Number, Charge Number, Originating Line Information, Transit Network Selection, Carrier Selection, Service Code and Access Transport.

User Service Information is an SS7 Parameter which may be coded to indicate any one of four circuit mode bearer points for addressing ISDN customer premises equipment.

The Called Party Number parameter is the called directory number delivery.

Calling Party Number is available on a direct SS7 equipped end office connection or a connection to the access tandem when there is not Multifrequency and SS7 signaling interworking.

The Charge Number parameter is the Automatic Number Identification number (ANI). (See Calling Billing Number Delivery - FG D Protocol).

Originating Line Information parameter via SS7 is equivalent to the information digits provided with ANI digits to an interexchange carrier. This data identifies the following items: that (1) the originating telephone number is the station billing number, no special treatment is required, (2) it is a multiparty line - the telephone number is a four/eight-party line and cannot be identified - number must be obtained by operator or some other manner, (3) and ANI failure has occurred, (4) this is a hotel/motel originating call, (5) this is a coinless station, hospital, inmate, etc. call requiring special screening or handling, (6) the call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment (CPE).

Transit Network Selection is an SS7 parameter which indicates to an intermediate node or network which carrier and circuit group is to be selected.

Carrier Selection is an SS7 parameter which identifies whether the originating line is presubscribed to an interexchange carrier or not. If the line was presubscribed this paramter will report if the end user dialed 10XXX (and/or 101XXXX), did not dial 10XXX (and/or 101XXXX), or that no indication of dialing is available.

Service Code is an SS7 parameter which allows individual calls to be identified and routed based on specific service characteristics.

Access Transport is an SS7 parameter used to transport ISDN user information across the network. This information is transparent to the local exchange carrier.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	1A ESS	5ESS	DMS-100
Earliest Generic Release	1AE11	5E6	BCS30

2. References:

   - Ameritech Technical reference AM-TR-OAT-000069, Issue 3, August 1993 - Ameritech Supplement Common Channel Signaling (CCS) Network Interface Specification.

   - Technical Reference GR-317 LSSGR: Switching System Generic Requirements for Call Control Using the Integrated Services Digital Network User Part (ISDNUP), Issue 7 - December 2003, Issue 8 - December 2004, Issue 9 – December 2005, Issue 10 – November 2007 (replaces GR-317, Issue 9).

   - Technical Reference GR-394 LSSGR: Switching System Generic Requirements for Interexchange Carrier Interconnection (IC1) Using the Integrated Services Digital Network User Part (ISDNUP), (module of LSSGR, FR-64), Issue 2, December 1997, Revision 1 – November 1998, Issue 3 – November 1999, Issue 4 – November 2000, Issue 5 – December 2001, Issue 6 – December 2002, Issue 7 – December 2003, Issue 8 – November 2007 (replaces GR-394, Issue 7).

   - Technical Reference GR-905 Common Channel Signaling Network Interface Specification (CCSNIS) Supporting Network Interconnection, Message Transfer Part (MTP), and ISDN User Part (ISDNUP), Issue 12, December 2009, (replaces GR-905, Issue 11).

This service, if offered as a BSE, is associated with the Dedicated Network Access Link BSA.

Coordinated Voice and Data Acceptance (2007)

Coordinated Voice and Data Acceptance allows for the simultaneous delivery of voice and datafor incoming calls. Additional caller information may be requested to provide information to the agent line; however, this is determined by the host computer application. If the customer wants the capability of having the host computer send the customer information automatically to the agents' lines, then Caller ID must be ordered on the Automatic Call Distributor Centrex line.

Generic Name of ONA Service	Product Name	BSE or CNS
Coordinated Voice and Data Acceptance	AM - Coordinated Voice and Data Acceptance	BSE

FEATURE OPERATION:

The Dedicated Network Access Link (DNAL) BSA allows the coordinated delivery of voice and data information for incoming and outgoing calls between a customer's host computer and the telephone company. The Coordinated Voice and Data Acceptance feature accommodates, via the exchange of data messages on the DNAL, various feature interactions between the LSP's host computer and the telephone company. Features that may interact with a host computer using this feature includeComputer Assisted Dialing Acceptance, Call Redirection Acceptance, and Computer Assisted Call Transfer Acceptance.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	DMS-100
Earliest Generic Release	BCS33

2. Currently, this feature is only available on lines served by an Automatic Call Distributor in the DMS100 equipped with the Switch Computer Application Interface functionality.

3. References:

   - Ameritech Technical reference AM-TR-NIS-000109, Ameritech Switch to Computer Application Interface (ASCAI) Network Interface Specifications, Issue 1, October 1992.

This service, if offered as a BSE, is associated with the Dedicated Network Access Link Type BSA.

Computer Assisted Dialing Acceptance (2010)

Computer Assisted Dialing Acceptance allows the customer's host computer to notify the telephone company equipment to place a call to a selected number on behalf of a particular agent. The computer dials the number and when the call is answered then the called party is connected to an agent. Customers using this feature must comply with the provisions of the Telephone Consumer Protection Act of 1991 as set forth in Part 64 and Part 68 of the Federal Communication Commission's Rules.

Generic Name of ONA Service	Product Name	BSE or CNS
Computer Assisted Dialing Acceptance	AM - Computer Assisted Dialing Acceptance	BSE

FEATURE OPERATION:

The Dedicated Network Access Link (DNAL) BSA allows the coordinated delivery of voice and data information for incoming and outgoing calls between a customer's host computer and the telephone company. The Computer Assisted Dialing Acceptance feature accommodates, via the exchange of data messages on the DNAL, the dialing of the called number with presenting an answered call to the agent's telephone in conjunction with the agent's host computer presentation of customer or subject specific data to the agent's computer terminal. Only calls receiving an answer condition will be presented to the agent.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	DMS-100
Earliest Generic Release	BCS33

2. Currently, this feature is only available on lines served by an Automatic Call Distributor in the DMS-100 equipped with the Switch Computer Application Interface functionality.

3. References:

   - Ameritech Technical reference AM-TR-NIS-000109, Ameritech Switch to Computer Application Interface (ASCAI) Network Interface Specifications, Issue 1, October 1992.

This service, if offered as a BSE, is associated with the Dedicated Network Access Link Type BSA.

Computer Assisted Call Transfer Acceptance (2009)

Computer Assisted Call Transfer Acceptance allows the customer's host computer to notify the telephone company equipment to transfer a call after the call has been delivered to an agent.

Generic Name of ONA Service	Product Name	BSE or CNS
Computer Assisted Call Transfer Acceptance	AM - Computer Assisted Call Transfer Acceptance	BSE

FEATURE OPERATION:

The Dedicated Network Access Link (DNAL) BSA allows the coordinated delivery of voice and data information for incoming and outgoing calls between a customer's host computer and the telephone company. The Computer Assisted Call Transfer Acceptance feature accommodates, via the exchange of data messages on the DNAL, the transferring of calls between agents. The calls may be transferred at any time during the interaction with the customer.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	DMS-100
Earliest Generic Release	BCS33

2. Currently, this feature is only available on lines served by an AutomaticCall Distributor in the DMS-100 equipped with the Switch Computer Application Interface functionality.

3. References:

   - Ameritech Technical reference AM-TR-NIS-000109, Ameritech Switch to Computer Application Interface (ASCAI) Network Interface Specifications, Issue 1, October 1992.

This service, if offered as a BSE, is associated with the Dedicated Network Access Link Type BSA.

Call Redirection Acceptance (2008)

Call Redirection Acceptance allows the customer's host computer to notify the telephone company equipment to allow the call to complete as dialed or redirect an incoming call to an alternate number within the customer's Automatic Call Distributor (ACD) group prior to the call being accepted by an agent.

Generic Name of ONA Service	Product Name	BSE or CNS
Call Redirection Acceptance	AM - Call Redirection Acceptance	BSE

FEATURE OPERATION:

The Dedicated Network Access Link (DNAL) BSA allows simultaneous delivery of voice and data information for incoming and outgoing calls. The Call Redirection Acceptance feature interacts with the agent's host computer which may direct the telephone company equipment, via the exchange of data messages on the DNAL, to deliver an incoming call to an agent selected by the host computer. The host computer could have the capability to simultaneously deliver the calling party's personal data to the agent's computer terminal at the same time the call is delivered to the agent's telephone.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	DMS-100
Earliest Generic Release	BCS33

2. Currently, this feature is only available on lines served by an Automatic Call Distributor in the DMS100 equipped with the Switch Computer Application Interface functionality.

3. References:

   - Ameritech Technical reference AM-TR-NIS-000109, Ameritech Switch to Computer Application Interface (ASCAI) Network Interface Specifications, Issue 1, October 1992.

This service, if offered as a BSE, is associated with the Dedicated Network Access Link Type BSA.

Premier Messaging Services Interface (PMSI) (5042)

Premier Messaging Services Interface (PMSI) is an optional enhancement to the Messaging Services Interface BSE. PMSI is similar to the Messaging Services Interface BSE, except that it utilizes the Signaling System 7 (SS7) Network to pass calling and called number information between central offices. With PMSI capability, the customer is not required to obtain a Voice Grade Dedicated Network Link to each Telephone Company central office switch where messaging capability is desired. With PMSI, the customer can provide messaging capability to all end users in a LATA area provided those end users reside in central offices that are interconnected via SS7 and are equipped with the required software.

Generic Name of ONA Service	Product Name	BSE or CNS
Premier Messaging Services Interface (PMSI)	NX – Premier Messaging Services Interface (PMSI)	BSE

References: not available

Signaling System 7 Message Waiting Indicator (SS7MWI) (3029, 5041)

Signaling System 7 Message Waiting Indicator (SS7MWI) Signaling Service permits the customer to provide Signaling System 7 (SS7) Message Waiting Indicator (MWI) Transaction Capabilities Application Part (TCAP) messages to the Telephone Company for delivery to Telephone Company switches that serve suitably equipped lines of those end users who subscribe to the customer's voice messaging service. MWI TCAP messages are originated by the customer's equipment and addressed and delivered to a designated Telephone Company Signaling Transfer Point (STP) pair in the LATA in which the customer's subscribing end user receives service.

SS7MWI Signaling Service is offered only to provide signaling to Telephone Company switches within the LATA in which the signaling was handed off to the Telephone Company, and will be available only in LATAs where the Telephone Company has STPs available to accept SS7 messages associated with the service. A list of LATAs where the Telephone Company has STPs is available from the Telephone Company tariff. The customer must hand-off only those messages that are intended for end users served by capable Telephone Company switches in that LATA.

SS7MWI Signaling Service is not available in LATAs where the Telephone Company does not have STPs. In those LATAs, services utilizing a Messaging Service Interface (MSI) or Premier Messaging Service Interface (PMSI) can be used to communicate message waiting status to end users' lines.

Generic Name of ONA Service	Product Name	BSE or CNS
Signaling System 7 Message Waiting Indicator (SS7MWI)	BA – Signaling System 7 Message Waiting Indicator (SS7MWI)	BSE
	NX – Signaling System 7 Message Waiting Indicator (SS7MWI)	BSE

References: not available.

APPENDIX 2

July 31, 2010

Updated 7/31/10

APPENDIX 2: BOC ONA CONTACTS

Regional Company	Name Address	Phone
Ameritech Services, Inc. (AT&T)	ESP Hot Line	800-451-5283
Verizon (Bell Atlantic)	Jeffrey Pallone	518-426-5862 jeffrey.a.pallone@verizon.com
BellSouth Services (AT&T)	Ken Minzenberger	404-927-1397
Verizon (NYNEX)	Jeffrey Pallone	518-426-5862 jeffrey.a.pallone@verizon.com
Pacific Bell (AT&T)	ESP OUTREACH	1-800-300-6230
Southwestern Bell Telephone (AT&T)	Scott Murray AT&T 311 South Akard, Room 1940.01 Dallas, TX 75202-5398	214-858-2468 sm6259@att.com FAX 214-858-0639
Qwest	Qwest Interconnect Services	402-422-7689

APPENDIX 3

July 31, 2010

BSA MATRIX – JULY 2010

The following report shows the relationship between the Basic Serving Arrangements (BSAs) and the Basic Service Elements (BSEs) included in the ONA Services User Guide Service Description Section issued July 31, 2010. This report was created to respond to a request from the Information Industry Liaison Committee (IILC), documented in IILC Issue #035.

The first matrix is a summary of the first section of the ONA Services User Guide Service Descriptions Section. It lists the generic name for each BSA with each LEC's name for the BSA (if the LEC company is offering it).

The matrices that follow list each of the generic BSA names, with a table entry of "BSA" for each LEC offering it. Then the generic name of each ONA service available with that BSA is listed, with an entry of "BSE" for BSE, or "BSA" if the LEC has indicated that the service is available with the BSA but not as a separate BSE option. These matrices do not include the Complementary Network Services (CNS) or any region specific services.

BSA NAMES & LEC BSA NAME REFERENCES

GENERIC NAME OF BSA	LEC BSA NAME
Category 1, Type A - Circuit Switched Line BSA	AM - Circuit Switched Line BA - Business Individual Line BA - Line Side BSA BA – Line Side BSA – FX BA - Line Side BSA - IC BS - Voice Grade - Line - Circuit Switched NX - Circuit Switched - Line PB - Access Line Arrangement SWB - Circuit Switched - Line Side Basic Serving Arrangement (BSA-A) Qwest - Voice Grade - Line - Circuit Switched
Category 1, Type B - Circuit Switched Trunk BSA	AM - Circuit Switched Trunk BA – Trunkside BSA BA - Trunkside BSA - 950 Option BA - Trunkside BSA - 10XXX Option BS - Circuit Switched Trunk - Voice Grade NX - Circuit Switched Trunk PB - Access Trunk Arrangement (950) PB - Access Trunk Arrangement (10XXX) SWB - Circuit Switched - Trunk Side Alternative B BSA (BSA-B) SWB - Circuit Switched - Trunk Side Alternative D BSA (BSA-D) Qwest - Voice Grade - Trunk - Circuit Switched
Category 2, Type A - X.25 Packet Switched BSA	AM - Packet Switched Network Service (X.25) BA - Public Data Network: X.25 BS - PulseLink® Packet Switching - X.25 NX - INFOPATH® Packet Switching Service PB - Public Packet Switching (X.25) SWB - Packet Switched - MicroLink II℠ (X.25 Version) Qwest - Packet Switching (X.25)

® PulseLink is a registered trademark of BellSouth.

® INFOPATH is a registered service mark of NYNEX

℠ MicroLink II is a registered service mark of Southwestern Bell Telephone.

GENERIC NAME OF BSA	LEC BSA NAME
Category 2, Type B - X.75 Packet Switched BSA	AM - Packet Switched Network Service (X.75) BA - Public Data Network: X.75 BS - PulseLink® Packet Switching - X.75 NX - INFOPATH® Packet Switching Service PB - Public Packet Switching (X.75) SWB - Packet Switched - MicroLink II℠ (X.75 Version) Qwest - Packet Switching (X.75)
Category 3, Type A - Dedicated Metallic BSA	BA – Metallic Service NX – Metallic Service PB - Metallic Service SWB - Special Access - Metallic Qwest - Analog PLS - DCCS
Category 3, Type B - Dedicated Telegraph BSA	BA – Telegraph Grade Service NX – Telegraph Grade Service PB - Telegraph Grade Service Qwest - Analog PLS - LSDS
Category 3, Type C - Dedicated Voice Grade BSA	AM - Direct Analog BA - Dedicated Voice-Grade BA – Voice Grade Service BS - Dedicated - Private Line NX - Voice Grade Service PB - Voice Grade Service SWB - Special Access - Voice Grade Qwest - Analog PLS - VGS

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℠ MicroLink II is a registered service mark of Southwestern Bell Telephone

GENERIC NAME OF BSA	LEC BSA NAME
Category 3, Type D - Dedicated Program Audio BSA	AM - Dedicated Program Audio BA - Dedicated Program Audio BA – Program Audio Service BS - Dedicated Program Audio NX - Program Audio Service PB - Program Audio Service SWB - Special Access - Program Audio Qwest - Analog PLS - AS
Category 3, Type E - Dedicated Video BSA	AM - Dedicated Video BA - Dedicated Video Service BA – Video Service BS - Dedicated Video NX - Video Services PB - Video Service SWB - Special Access - Video Qwest - Analog PLS - VS
Category 3, Type F - Dedicated Digital (< 64 kbps) BSA	AM - Ameritech Base Rate Services BA - Digital Data Service BS - SynchroNet® /DDS NX - Dedicated - Digital Data NX – Digital Data Service PB - Digital Data Service, Private Line Services SWB - Special Access - MegaLink℠ Data Qwest - Digital Data Service
Category 3, Type G - Dedicated High Capacity Digital (1.544 Mbps) BSA	AM - Ameritech DS1 Services BA - High Capacity Digital Service BS - MegaLink® /HiCap NX – Superpath Optical 1.5 Mbps Service PB - High Capacity Services (1.544 Mbps) SWB - Special Access - High Capacity (1.544 Mbps) Qwest - DS1 Service

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GENERIC NAME OF BSA	LEC BSA NAME
Category 3, Type H - Dedicated High Capacity Digital (> 1.544 Mbps) BSA	AM - Ameritech DS3 Services BA - High Capacity/Lightwave Service BS - LightGate®/HiCap NX - Dedicated - Digital - 45 Mbps NX – Superpath 45 Mbps Service PB - High Capacity Services (> 1.544 Mbps) SWB - Special Access - High Capacity MegaLink℠ Custom Qwest - DS3 Service
Category 3, Type I - Dedicated Alert Transport BSA	BA - REACT℠ BA – Alarm Transport Service BS - WATCHALERT® NX - PULSENET℠ NX – Alert Transport Service PB - POLLSTAR℠ DLC Security Transport
Category 3, Type J - Dedicated Derived Channel BSA	BS - Derived Data Channel Service NX - DOVPATH® SWB - DovLink℠ Qwest - Simultaneous Voice and Data Service
Category 3, Type K - Dedicated Digital (64 kbps) BSA	AM - Ameritech Base Rate Service BA - Digital Data Service 64 KBS BS - DS-0 Transport Facilities NX – Clear Channel Capability (see NYNEX note 1)[1] Qwest - Digital Data Service - 64 Kbps

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® WATCHALERT is a registered service mark of BellSouth.
℠ PULSENET is a service mark of NYNEX.
℠ POLLSTAR is a service mark of Pacific Bell.
® DOVPATH is a registered service mark of NYNEX.
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[1] NYNEX note 1: NYNEX offers 64 Kbps service associated with the Dedicated High Capacity Digital (1.544 Mbps) BSA.

GENERIC NAME OF BSA	LEC BSA NAME
Category 4 - Dedicated Network Access Link BSA	AM - Dedicated Network Access Link AM - Type A-Signal Transfer Point Access (STP) AM - Type B-Circuit Switch Facility Control (CSFC) AM - Type C-Simplified Message Desk Interface (SMDI) AM - Type D-Simplified Message Desk Interface-Expanded (SMDI-E) AM - Type E-Ameritech Reconfiguration Service AM - Type F-Alarm Service AM - Type G-Ameritech Switch to Computer Applications (ASCAI) BA - Dedicated Network Access Link BS - Private Line/Special Access NX – Dedicated Link (see NYNEX note 2)[2] PB - Dedicated Network Access Link SWB - Special Access - Metallic SWB - Special Access - Voice Grade SWB - Switched Access Dedicated Network Access Link Qwest - Analog PLS

[2] NYNEX note 2: NYNEX offers dedicated channels for specific network information or network control information as part of the appropriate BSA or BSE that provides the specific capability.

MATRIX of BSAs & RELATED BSEs

CATEGORY 1, TYPE A - CIRCUIT SWITCHED LINE BSA	AM	BA	BS	NX	PB	SWB	Qwest
GENERIC NAME OF ONA SERVICE							
Answer Supervision With A Line Side Interface	BSE	BSE	BSE		BSE		BSE
Automatic Callback					BSE		
Call Detail Recording Reports		BSE	BSE	BSE			BSE
Called Directory Number Delivery via DID		BSE	BSE	BSE	BSE		BSE
Calling Directory Number Delivery - via ICLID		BSE			BSE		BSE
Carrier Selection On Reverse Charge		BSE	BSA	BSE	BSA		
Calling DN Delivery - via BCLID			BSE				BSE
Coin Phone With Post Dialing Tone Capability		BSA	BSA				BSA
Cut Off On Disconnect		BSA	BSA	BSA			
DID Trunk Queuing		BSE			BSE		
Faster Signaling On DID		BSE	BSE	BSE			BSA
Hot Line				BSE			
Make Busy Key	BSE	BSE	BSE	BSE	BSE		BSE
Message Desk (SMDI)	BSE	BSE	BSE	BSE	BSE		BSE
Message Waiting Indicator- Activation (Audible)		BSE	BSE	BSE	BSE		BSE
Multiline Hunt Group	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Multiline Hunt Group - C. O. Announcements	BSE		BSE	BSE	BSE	BSE	BSE
Multiline Hunt Group - Individual Access To Each Port In Hunt Group	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Multiline Hunt Group - Overflow	BSE	BSE	BSE	BSE	BSE		BSE
Multiline Hunt Group - Uniform Call Distribution Line Hunting	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Multiline Hunt Group - UCD With Queuing	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Reverse Billing On Circuit Switched Access			BSE				
Route Diversity	BSE					BSE	

CATEGORY I, TYPE A - CIRCUIT SWITCHED LINE BSA	AM	BA	BS	NX	PB	SWB	Qwest
GENERIC NAME OF ONA SERVICE							
Selective Call Forwarding					BSE		
Selective Call Rejection					BSE		
Three Way Call Transfer	BSE	BSE	BSE	BSE	BSE		BSE
Uniform 7 Digit Access Number - Remote Call Forwarding		BSE					
Uniform 7 Digit Access Number via Overlay Networking			BSE	BSE			
Warm Line				BSE			

CATEGORY I, TYPE B - CIRCUIT SWITCHED TRUNK BSA	AM	BA	BS	NX	PB	SWB	Qwest
GENERIC NAME OF ONA SERVICE							
Alternate Routing	BSA*	BSE	BSE	BSE	BSA	BSE	BSE
Call Detail Recording Reports	BSE	BSE	BSE				BSE
Called Directory Number Delivery via DID		BSE	BSE	BSE	BSE		BSE
Called Directory Number Delivery via 900NXX	BSE	BSE		BSE		BSA	
Calling Billing Number Delivery - FG B Protocol		BSE	BSE	BSE			BSE
Calling Billing Number Delivery - FG D Protocol	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Carrier Selection On Reverse Charge	BSA**	BSE	BSA	BSE	BSA		BSA
Coin Phone With Post Dialing Tone Capability			BSA				
DID Trunk Queuing		BSE			BSE		BSE
Faster Signaling On DID			BSE	BSE			BSA
Flexible ANI Information Digits	BSE	BSE	BSE	BSE			BSE
Route Diversity	BSE					BSE	
Tandem Routing	BSA**	BSE	BSE	BSA	BSA		

* Ameritech offers this as a BSA feature.

** For Ameritech, this is a Circuit Switched Trunk BSA alternative.

CATEGORY 2, TYPE A - X.25 PACKET SWITCHED BSA	AM	BA	BS	NX	PB	SWB	Qwest
GENERIC NAME OF ONA SERVICE							
Call Detail Recording Reports (Packet)		BSE		BSE		BSE	BSE
Call Redirection - Packet	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Closed User Groups - Packet	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Direct Call - Packet			BSE	BSE			
Fast Select Acceptance - Packet	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Fast Select Request - Packet			BSE	BSE	BSE	BSE	BSE
Hunt Groups - Packet	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Message Waiting Indicator - Packer Access						BSE	
Preselection for Data Services		BSE	BSE	BSE	BSE		
Reverse Charge Acceptance - Packet	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Route Diversity	BSE					BSE	

CATEGORY 2, TYPE B - X.75 PACKET SWITCHED BSA	AM	BA	BS	NX	PB	SWB	Qwest
GENERIC NAME OF ONA SERVICE							
Call Detail Recording Reports (Packet)		BSE		BSE		BSE	BSE
Call Redirection - Packet				BSE	BSE	BSE	BSE
Closed User Groups - Packet	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Fast Select Acceptance - Packet	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Fast Select Request - Packet			BSE	BSE	BSE	BSE	BSE
Hunt Groups - Packet		BSE		BSE	BSE	BSE	
Message Waiting Indicator - Packet Access						BSE	
Preselection for Data Services		BSE	BSE	BSE	BSE		
Reverse Charge Acceptance - Packet		BSE	BSE	BSE	BSE	BSE	BSE
Route Diversity	BSE					BSE	

CATEGORY 3, TYPE A - DEDICATED METALLIC BSA	AM	BA	BS	NX	PB	SWB	Qwest
GENERIC NAME OF ONA SERVICE							
Bridging		BSE		BSE	BSE	BSE	BSE
Route Diversity		BSE		BSE		BSE	

CATEGORY 3, TYPE B - DEDICATED TELEGRAPH BSA	AM	BA	BS	NX	PB	SWB	Qwest
GENERIC NAME OF ONA SERVICE							
Bridging		BSE		BSE	BSE		BSE
Route Diversity		BSE		BSE			

CATEGORY 3, TYPE C - DEDICATED VOICE GRADE BSA	AM	BA	BS	NX	PB	SWB	Qwest
GENERIC NAME OF ONA SERVICE							
Bridging	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Conditioning	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Network Reconfiguration				BSE	BSE		
Route Diversity	BSE	BSE		BSE		BSE	

CATEGORY 3, TYPE D - DEDICATED PROGRAM AUDIO BSA	AM	BA	BS	NX	PB	SWB	Qwest
GENERIC NAME OF ONA SERVICE							
Bridging	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Route Diversity	BSE	BSE				BSE	

CATEGORY 3, TYPE E - DEDICATED VIDEO BSA	AM	BA	BS	NX	PB	SWB	Qwest
GENERIC NAME OF ONA SERVICE							
Route Diversity	BSE	BSE				BSE	

CATEGORY 3, TYPE F - DEDICATED DIGITAL (< 64 kbps) BSA	AM	BA	BS	NX	PB	SWB	Qwest
GENERIC NAME OF ONA SERVICE							
Access To Operations Support Systems Information			BSE				
Automatic Protection Switching		BSE	BSE	BSE	BSE		BSE
Bridging	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Network Reconfiguration				BSE	BSE		
Route Diversity	BSE	BSE		BSE		BSE	
Secondary Channel Capability	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Statistical Multiplexer		BSE					

CATEGORY 3, TYPE G - DEDICATED HIGH CAPACITY DIGITAL (1.544 Mbps) BSA	AM	BA	BS	NX	PB	SWB	Qwest
GENERIC NAME OF ONA SERVICE							
Access To Clear Channel Transmission	BSE	BSE	BSA	BSE	BSE	BSE	BSE
Automatic Protection Switching	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Extended Superframe Conditioning	BSE	BSA	BSA	BSA		BSE	BSA
Network Reconfiguration	BSE	BSE		BSE	BSE	BSE	BSE
Route Diversity	BSE	BSE		BSE		BSE	

CATEGORY 3, TYPE H - DEDICATED HIGH CAPACITY DIGITAL (> 1.544 Mbps) BSA	AM	BA	BS	NX	PB	SWB	Qwest
GENERIC NAME OF ONA SERVICE							
Automatic Protection Switching		BSE	BSE	BSE	BSE	BSE	
Network Reconfiguration			BSE	BSE	BSE		BSE
Route Diversity	BSE	BSE		BSE		BSE	