

Network Disclosure Announcement 400

Public Notice of Network Change(s)
Pursuant to CFR 47, subsections 51.325 - 51.335.
QWEST's Internet address: <http://www.qwest.com/disclosures>.

Asynchronous Transfer Mode (ATM) DS1, DS3, OC-3 and OC-12 Cell Relay User-Network Interfaces, Inverse Multiplexing over ATM (IMA), and Broadband ISDN Inter-Carrier Interface (B-ICI). *Updated 10-14-08*

First Implementation Date: April 10, 1995
Update & Replacement of Network Disclosure Announcement 391.

SUMMARY

This document adds additional functionality to Qwest's ATM Cell Relay services. In addition to the DS1 (1.544 Mbit/s), DS3 (44.736 Mbit/s) and OC-3 (155.520 Mbit/s) interfaces, OC-12 (622.08/Mbits/s) and IMA (of 3.088, 4.632, 6.176, 7.72, 9.264, 10.808, or 12.352 Mbit/s) have been added. This update provides additional locations where QWEST plans to deploy Asynchronous Transfer Mode Cell Relay Service (ATM CRS) interfaces including the initial locations for OC-12. This disclosure replaced Network Disclosure 391. An asterisk in the left margin denotes a change or addition from the previous release.

QWEST offers Asynchronous Transfer Mode Cell Relay Service (ATM CRS). Customers access the QWEST ATM CRS via a User-Network Interface (UNI). The UNI is a physical interface between the customer and the QWEST ATM CRS network, but does not determine the bandwidth and throughput available.

ATM CRS is a connection-oriented, cell-based switching technology that provides customers with high-speed, low delay information transfer capacity suited for data intensive business computing applications that require near-real-time mixed media communications among multiple locations. QWEST ATM CRS is implemented using Asynchronous Transfer Mode (ATM) cell transfer protocols. This technology provides high efficiency and flexibility because it provides "virtual channels" instead of dedicated physical channels.

ATM CRS User-Network Interface:

QWEST now supports four UNI physical connections with the maximum bandwidths of 1.544 Mbit/s (DS1), 44.736 Mbit/s (DS3), 155.520 Mbit/s (OC-3), and 622.08 Mbit/s (OC-12). OC-12 is supported at indicated locations only and is subject to availability. Qwest also supports IMA (Inverse Multiplexing over ATM) access speeds 3.088, 4.632, 6.176, 7.72, 9.264, 10.808, or 12.352 Mbit/s (this is available wherever ATM has been deployed).

ATM CRS Broadband ISDN Inter-Carrier Interface:

Carriers can access QWEST's ATM CRS via a Broadband ISDN Inter-Carrier Interface (B-ICI). The B-ICI is the demarcation point that designates the network boundary between service providers. The B-ICI will connect the ATM CRS network to Interexchange Carriers and VANS to provide inter/intra LATA connectivity. Initially, ATM CRS will support two B-ICI physical

connections with the maximum bandwidths of 44.736 Mbit/s (DS3) and 155.520 Mbit/s (OC-3). The B-ICI acts as the physical connection to the QWEST ATM CRS network from another cell relay network, but does not determine the bandwidth and throughput available.

Permanent Virtual Connections (PVCs):

ATM CRS is based on Permanent Virtual Connections (PVCs). No dynamic call establishment or call termination is associated with a PVC. PVC connections are relatively static and are established during the provisioning process. At any time, these connections or paths can be changed via a subsequent provisioning process.

Each Permanent Virtual Connection (PVC) ATM CRS is specified as supporting either Constant Bit Rate (CBR), Variable Bit Rate Real-Time (VBRrt), Variable Bit Rate Non Real-Time (VBRnrt), Available Bit Rate (ABR), or Unspecified Bit Rate (UBR) traffic:

- Constant Bit Rate (CBR) is intended for real time applications that need fixed amount of bandwidth and cannot tolerate any delay.
- Variable Bit Rate real-time (VBR-rt) is intended for time sensitive applications that need high delivery rate and low delay while allowing for application and network bursts.
- Variable Bit Rate non real-time (VBR-nrt) is designed for non-real time applications with "bursty" traffic characteristics and able to tolerate delay variation.
- Available Bit Rate (ABR) supports applications with high throughput at low cell loss of very "bursty" traffic through feedback network congestion control mechanisms.
- Unspecified Bit Rate (UBR) supports connections which do not specify traffic related service guarantees and is considered a "best effort" service category. UBR is intended for non-real-time applications and provides no service guarantees.

VBRrt and ABR traffic are available on DS3, OC-3, or OC-12 access links (i.e. not available on DS1 or IMA connections).

The traffic parameter for CBR and UBR connections is the Peak Cell Rate (PCR), which specifies the highest cell rate a customer is provided on a connection. UBR connections do not specify traffic related service guarantees. No numerical commitments are made by QWEST with respect to the cell loss or cell transfer delay for UBR traffic. ABR traffic also uses the PCR, but adds a Minimum Cell Rate parameter as a feedback mechanism. VBRrt and VBRnrt connections utilize the PCR, Sustained Cell Rate (SCR) and Maximum Burst Size (MBS). The SCR defines the "average rate" of a connection over a time interval.

The traffic parameters chosen by the customer for their CBR, VBRrt, VBRnrt, ABR, and UBR connections are what define the bandwidth and throughput for a UNI. The UNI physical interface of 1.544, 44.736, 155.520, or 622.08 Mbit/s provides the physical connection, but PCR and SCR which define throughput, are the better measurement of the connection capability available to the customer. IMA utilizes increments of the DS1 interface (1.544 Mbit/s), and is available in increments of 2 through 8 DS1s.

Two types of logical connections (PVCs) are provided by the QWEST ATM Service: Virtual Channel Connections (VCCs) and Virtual Path Connections (VPCs). A VCC exists between two switching points. A VPC is a collection of VCCs switched together as one unit in which the customer has the ability to manage the attributes of the individual VCCs within a contracted aggregate bandwidth. (See Section 3.3 for additional detail.)

The single connection topology provided for each connection type is a point-to-point connection that allows bi-directional communication between two end-systems.

Virtual Circuit Aggregation:

This service is no longer available.

ATM Service Points are geographic locations, designated by QWEST, as entry points into the QWEST ATM Service Network. A list of ATM Service Points can be found under each state specific link located on <http://www.qwest.com/disclosures/netdisclosure400/index.html>. Wire Centers not listed as ATM Service Points are still accessible using the Private Line Tariff. Mileage and other construction charges may apply. If the interface changes in the future, QWEST will issue a new Network Disclosure. In addition, any new ATM Service Points will be added to this Network Disclosure 400 and the [QWEST Network Disclosure](#) web site.

ABR/VBRrt is available at all ATM locations, but limited to UNI Physical interfaces of DS3 and higher.

INTERFACE REQUIREMENTS

- The ATM Service UNI 622.08 (OC12) Mbit/s and 155.520 (OC-3) Mbit/s, specifications are described in:

The ATM Forum, ATM User-Network Interface Specification, Version 3.1, June 1995, (ISBN).

This document can be obtained by contacting a local technical bookstore or direct from Prentice Hall. Prentice Hall can be contacted at:

- Phone: (415)949-6700
- Internet: <http://www.atmforum.com>
- Fax on demand: (415)688-4318

OC-12 is supported at indicated locations only.

QWEST will not implement this entire interface specification and the exceptions are provided on Attachment #1.

The above UNI specification involves those protocols which are either terminated or manipulated at the user-network interfaces. Based on ATM bearer service capabilities defined by the American National Standards Institute (ANSI) and International Telecommunications Union (ITU) standards (acknowledged by the Bellcore Technical References listed on page 5), the UNI protocol layers involved at all UNIs are limited to the Physical and ATM Layers. Section 2 provides the Physical Layer Interface Specifications. Section 3 provides the ATM Layer Specifications.

- The ATM-CRS UNI, 44.736 (DS3) Mbit/s specifications are described in:

ATM Forum Technical Committee, DS3 Physical Layer Interface Specification, March 1996, af-phy-0054.000.

This document can be obtained by contacting the ATM Forum at:

- Phone: (415)949-6700
- Internet: <http://www.atmforum.com>
- Fax on demand: (415)688-4318

- The ATM-CRS UNI, 1.544 (DS1) Mbit/s specifications are described in:

ATM Forum Technical Committee, DS1 Physical Layer Specification, September 1994, af-phy-0016.000.

This document can be obtained by contacting the ATM Forum at:

- Phone: (415)949-6700
- Internet: <http://www.atmforum.com>

- Fax on demand: (415)688-4318

- ATM CRS Broadband ISDN Inter-Carrier Interface specifications are described in:

The ATM Forum, Broadband ISDN Inter-Carrier Interface (B-ICI) Specification, Version 1.1, September 1994, af-bici-0013.003.

QWEST will not implement this entire interface specification and the exceptions are provided on Attachment #1.

The B-ICI specification involves those protocols which are either terminated or manipulated at the network-network interfaces. Based on the ATM bearer service capabilities defined by the American National Standards Institute (ANSI) and International Telecommunications Union (ITU) standards (acknowledged by the Bellcore Technical References listed on page 5, the B-ICI protocol layers involved at all B-ICIs are limited to the Physical and ATM layers. Section 3 provides the Physical Layer Interface Specifications. Section 4 provides the ATM Layer Specifications.

The B-ICI document is available by contacting the ATM Forum at:

- Phone: (415)949-6700
- Internet: <http://www.atmforum.com>
- Fax on demand: (415)688-4318

- Virtual Circuit Aggregation

Additional technical information the aggregation of Virtual Circuits for DSL Subscribers is contained in [QWEST Technical Publication 77392, "Qwest DSL Services"](#).

- Other Technical Publication References

Bellcore Technical Advisory, TA-TSV-001408, Generic Requirements for Exchange PVC Cell Relay Service, Issue 1, August 1993.

Bellcore Technical Advisory, TA-TSV-001409, Generic Requirements for Exchange Access PVC Cell Relay Service, Issue 1, November 1993.

Bellcore Technical Advisory, GR-1110-CORE, Broadband-ISDN Switching System Generic Requirements, Issue 1, Revision 1, April 1996.

Bellcore Technical Reference TR-NWT-001112, Broadband-ISDN User to Network Interface and Network Node Interface Physical Layer Generic Criteria, Issue 1, June 1993.

Bellcore Technical Advisory GR-1248-CORE, Generic Requirements for Operations of ATM Network Elements, Issue 3, August 1996.

Bellcore Special Report SR-3330, Cell Relay Service Core Features, Issue 2, December 1996.

Bellcore documentation can be obtained by contacting:

Bellcore Customer Relations
8 Corporate Place, Room 3A-184
Piscataway, NJ 08854-4196
(800) 521-CORE

ADDITIONAL INFORMATION

Any customer premises equipment vendor/manufacturer or enhanced services provider desiring additional technical information in conjunction with these interfaces provided by QWEST may contact:

Janeck, William

Lead Internet Engineer

Network Services

Qwest Corporation

700 W Mineral Ave, SD E1410

Littleton CO 80120-0000

United States

Office: +1 303 707 3678

Cell:

Pager: [+1 303 201 2507](tel:+13032012507)

Fax: +1 303 707 9024

William.Janeck@qwest.com

Attachment 1. Exceptions

The following exceptions to the ATM Forum, ATM User-Network Interface Specification Version 3.1 will not be implemented by QWEST at this time. This includes all figures, sketches, and tables associated with the specific section, subsection, or appendix listed below. Modifications will be provided in later updates to this Network Disclosure.

Section 2: Physical Layer Interface Specification

- 2.3 Physical Layer for 100 Mbps Multimode Fiber Interface
Complete Subsection will not be implemented at this time.
- 2.5 E3 Physical Interface Layer
Complete Subsection will not be implemented at this time.
- 2.6 E4 Physical Interface Layer
Complete Subsection will not be implemented at this time.

Section 4: Interim Local Management Interface Specification

The complete section will not be implemented at this time.

Section 5: UNI Signaling

The complete section will not be implemented at this time.

Appendix C: Point-to Multipoint Signaling Procedures Using Separate State Machines (Informative)

The complete appendix will not be implemented at this time.

Appendix D: Example Signaling Codings

The complete appendix will not be implemented at this time.

Appendix E: Differences with ITU-TS draft Recommendation Q.93B

The complete appendix will not be implemented at this time.

The following exceptions to the ATM Forum, ATM CRS Broadband ISDN Inter-Carrier Interface Specification, Version 1.1 will not be implemented by QWEST at this time. This includes all figures, sketches, and tables associated with the specific section, subsection, or appendix identified below. Modifications will be provided in later updates to this Network Disclosure.

Section 3: B-ICI Physical Layer Specifications

- 3.3 Physical Layer Characteristics of the 622.080 Mbit/s (STS12C) B-ICI
Complete Subsection will not be implemented at this time.
- 3.6 Physical Layer Characteristics of the 34.368 Mbit/s (E3) B-ICI
Complete Subsection will not be implemented at this time.

3.7 Physical Layer Characteristics of the 155.520 Mbit/s (SDH) STM1 B-ICI
Complete Subsection will not be implemented at this time.

Section 6: Common B-ICI Operations and Maintenance

6.1.3 Physical Layer Operations of the 622.080 Mbit/s (STS12C)
Complete Subsection will not be implemented at this time.

6.1.4 Physical Layer Operations of the 155.520 Mbit/s (SDH) STM1 B-ICI
Complete Subsection will not be implemented at this time.

Section 9: PVC Based Inter-carrier CES Support on a B-ICI

Complete Section will not be implemented at this time.

Section 11: SMDS Support on a B-ICI

Complete Section will not be implemented at this time.

Section 12: Usage Measurement

12.3.2 PVC Inter-carrier CES
Complete Subsection will not be implemented at this time.

12.3.4 SMDS
Complete Subsection will not be implemented at this time.

Service Points

ARIZONA

	<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
	Aqua Fria Sunrise	AGFIAZSR	Available Now		
	Arizona City	AXCYAZ03	Available Now		
	Beardsley	BRDSAZMA	Available Now		
*	Chandler Main	CHNDAZMA	Available Now	Nov 2008	Available Now
	Chandler South	CHNDAZSO	Available Now		
	Chandler West	CHNDAZWE	Available Now		
	Cottonwood	CTWDAZMA	Available Now		
	Deer Valley North	DRVYAZNO	Available Now		
	Flagstaff East	FLGSAZEA	Available Now		
	Flagstaff Main	FLGSAZMA	Available Now		
	Coldwater	GDYRAZCW	Available Now		
	Glendale Main	GLDLAZMA	Available Now		
	Higley	HGLYAZMA	Available Now		
	Litchfield Park	LTPKAZMA	Available Now		
	Mesa Gilbert	MESAAZGI	Available Now		
	Mesa Main	MESAAZMA	Available Now	Available Now	
	New River	NWRVAZMA	Available Now		
	Phoenix Bethany West	PHNXAZBW	Available Now		
	Phoenix Cactus	PHNXAZCA	Available Now		
	Phoenix East	PHNXAZEA	Available Now		
	Phoenix Greenway	PHNXAZGR	Available Now		
	Phoenix Main	PHNXAZMA	Available Now	Available Now	Available Now
	Phoenix Midrivers	PHNXAZMR	Available Now		
	Phoenix Maryvale	PHNXAZMY	Available Now		
	Phoenix Northeast	PHNXAZNE	Available Now		
	Phoenix North	PHNXAZNO	Available Now		
	Phoenix Northwest	PHNXAZNW	Available Now		
	Peoria Main	PHNXAZPR	Available Now		
	Phoenix Southeast	PHNXAZSE	Available Now		
	Phoenix South	PHNXAZSO	Available Now		
	Phoenix Sunnyslope	PHNXAZSY	Available Now		
	Phoenix West	PHNXAZWE	Available Now		
	Prescott	PRSCAZMA	Available Now		
	Pinnacle Peak	PRVYAZPP	Available Now		
	Scottsdale Main	SCDLAZMA	Available Now	Available Now	
	Scottsdale Shea	SCDLAZSH	Available Now		
	Scottsdale Thunderbird	SCDLAZTH	Available Now		
	Superstition Main	SPRSAZMA	Available Now	Available Now	
	Superstition West	SPRSAZWE	Available Now	Available Now	
	Tucson Craycroft	TCSNAZCR	Available Now		
	Tucson East	TCSNAZEA	Available Now		
	Tucson Flowing Wells	TCSNAZFW	Available Now		
	Tucson Main	TCSNAZMA	Available Now		Available Now
	Tucson Rincon	TCSNAZRN	Available Now		Available Now
	Tucson Southeast	TCSNAZSE	Available Now		
	Tucson South	TCSNAZSO	Available Now		
	Tempe Main	TEMPAZMA	Available Now	Available Now	

<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
Tempe McClintock	TEMPAZMC	Available Now	Available Now	
Tolleson	TLSNAZMA	Available Now		
White Tanks	WHTKAZMA	Available Now		
Yuma	YUMAAZMA	Available Now		

COLORADO

<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
Air Force Academy	AFACCOMA	Available Now		
Alamosa	ALMSCOMA	Available Now		
Arvada	ARVDCOMA	Available Now		
Aspen	ASPECOMA	Available Now		
Ault	AULTCOMA	Available Now		
Aurora Main	AURRCOMA	Available Now		Available Now
Monaghan	AURRCOMB	Available Now		
Avondale	AVDLCOMA	Available Now		
Avon	AVONCOMA	Available Now		
Brighton	BITNCOMA	Available Now		
Boulder Gunbarrel	BLDRCOGB	Available Now		
Boulder Main	BLDRCOMA	Available Now		Available Now
Black Forest	BLFSCOMA	Available Now		
Buena Vista	BNVSCOMA	Available Now		
Broomfield	BRFDCOMA	Available Now		
Breckenridge	BRRGCOMA	Available Now		
Brush	BRSHCOMA	Available Now		
Berthoud	BRTHCOMA	Available Now		
Canon City	CACYCOMA	Available Now		
Coal Creek Canyon	CCCNCOMA	Available Now		
Clifton	CFTNCOMA	Available Now		
Colorado Springs East	CLSPCOEA	Available Now		
Colorado Springs Main	CLSPCOMA	Available Now	Available Now	Available Now
Colorado Springs Pikeview	CLSPCOPV	Available Now		
Pikeview	CLSPCOPV	Available Now		
Stratmoor	CLSPCOSM	Available Now		
Central City	CNCYCOMA	Available Now		
Cooper Mountain	CPMTCOMA	Available Now		
Craig	CRAGCOMA	Available Now		
Cripple Creek	CRCKCOMA	Available Now		
Carbondale	CRDLCOMA	Available Now		
Cortez	CRTZCOMA	Available Now		
Castle Rock	CSRKCONM	Available Now		
Delta	DELTCOMA	Available Now		
Dillon	DLLNCOMA	Available Now		
Del Norte	DLNRCOMA	Available Now		
Denver Capital Hill	DNVRCOCH	Available Now		
Columbine	DNVRCOCL	Available Now		
Denver Curtis Park	DNVRCOCP	Available Now		
Cottonwood	DNVRCOCW	Available Now		
Denver Dry Creek	DNVRCODC	Available Now	Available Now	Available Now

	<u>Wire Center</u>	<u>CLLI</u>	<u>ATM</u> <u>Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC</u> <u>Count to 3000</u> <u>Max</u>
	Denver East	DNVRCOEA	Available Now		
	Denver Main	DNVRCOMA	Available Now	Available Now	Available Now
	Montbello	DNVRCOMB	Available Now		
	Denver Northeast	DNVRCONE	Available Now		
	Denver North	DNVRCONO	Available Now		
	DIA	DNVRCOOU	Available Now		
	Denver Southeast	DNVRCOSE	Available Now		
	Denver Smokey Hill	DNVRCOSH	Available Now		
	Denver Sullivan	DNVRCOSL	Available Now		
	Denver South	DNVRCOSO	Available Now		
	Denver Southwest	DNVRCOSW	Available Now		
	Denver Tech Center	DNVRCOTC	Available Now		
	Denver West	DNVRCOWS	Available Now		
	Durango	DURNCOMA	Available Now		
	Eaton	EATNCOMA	Available Now		
	Elizabeth	ELZBCOM01	Available Now		
	Aberdeen	ENWDCOAB	Available Now		
	Englewood	ENWDCOMA	Available Now		
	Erie	ERIECOMA	Available Now		
	Evergreen	EVRGCOMA	Available Now		
	Florence	FLRNCOMA	Available Now		
	Fountain	FONTCOMA	Available Now		
	Frederick	FRDRCOMA	Available Now		
	Frisco	FRSCCOMA	Available Now		
	Fruita	FRUTCOMA	Available Now		
	Fort Collins Harmony	FTCLCOHM	Available Now		
	Fort Collins Main	FTCLCOMA	Available Now		Available Now
	Ft Lupton	FTLPCOMA	Available Now		
	Fort Morgan	FTMRCOMA	Available Now		
	Grand Junction	GDJTCOMA	Available Now		Available Now
	Gilcrest	GLCRCOMA	Available Now		
	Golden Main	GLDNCOMA	Available Now		
	Glenwood Springs	GLSPCOMA	Available Now		
	Green Mtn Falls	GMFLCOMA	Available Now		
	Gunnison	GNSNCOMA	Available Now		
	Parkview	GRELCOJC	Available Now		
	Greeley Main	GRELCOMA	Available Now		
	Grandby	GRNBCOMA	Available Now		
	Georgetown	GRTWCOMA	Available Now		
	Hudson	HDSNCOMA	Available Now		
	Hot Sulphur Springs	HSSPCOMA	Available Now		
	Idaho Springs	IDSPCOMA	Available Now		
	Johnstown Milliken	JHMLCOMA	Available Now		
	Julesburg	JLBGCOMA	Available Now		
	Kiowa	KIOWCONM	Available Now		
	Limon	LIMNCOMA	Available Now		
	Lookout Mountain	LKMTCOMA	Available Now		
	Lakewood Main	LKWDCOMA	Available Now	Available Now	Available Now
	Longmont	LNMTCOMA	Available Now		
	Larkspur	LRKSCONM	Available Now		
	Lasalle	LSLLCOMA	Available Now		

<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
Highlands Ranch	LTTNCOHL	Available Now		Available Now
Littleton	LTTNCOMA	Available Now		
Loveland	LVLDCOMA	Available Now		
Lyons	LYNSCOMA	Available Now		
Mead	MEADCOMA	OC3 and Below Available Now		
Meeker	MEKRCOMA	Available Now		
Manitou Springs	MNSPCOMA	Available Now		
Minturn	MNTRCOMA	Available Now		
Morrison	MRSNCOMA	Available Now		
Montrose	MTRSCOMA	Available Now		
Mesa Verde	MVNPCOMA	T1 and Below Available Now		
Nederland	NLDLDCOMA	Available Now		
Northglenn	NGLNCOMA	Available Now		Available Now
Niwot	NIWTCOMA	Available Now		
New Castle	NWCSCOMA	Available Now		
Olathe	OLTHCOMA	Available Now		
Ouray	OURYCOMA	Available Now		
Ovid	OVIDCOMA	Available Now		
Parachute	PACHCO01	Available Now		
Palisade	PLSDCOMA	Available Now		
Penrose	PNRSCOMA	Available Now		
Parker	PRKRCOMA	Available Now		
Pueblo West	PUBLCO06	Available Now		
Pueblo	PUBLCOMA	Available Now		March 12, 2007
Pueblo Sunset	PUBLCOSU	Available Now		
Ridgway	RDGWCOMA	Available Now		
Rifle	RIFLCOMA	Available Now		
Salida	SALDCOMA	Available Now		
Security	SCRTCOMA	Available Now		
Silt	SILTCOMA	Available Now		
Silverton	SLTNCOMA	T1 Only – Available Now		
Snowmass	SNMSCOMA	Available Now		
Sterling	STNGCOMA	Available Now		
Steamboat Springs	STSPCOMA	Available Now		
Table Mesa Main	TEMACOMA	Available Now		
Telluride	TLRDCOMA	Available Now		
Trinidad	TRNDCOMA	Available Now		
Vail	VAILCOMA	Available Now		
Vineland	VNLDCOMA	Available Now		
Ward	WARDCOMA	Available Now		
Wellington	WGTNCOMA	Available Now		
Walsenburg	WLBGCOMA	Available Now		
Weldona	WLDACOMA	Available Now		
Westminster	WMNSCOMA	Available Now		
Windsor	WNDSCOMA	Available Now		

	<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
	American Falls	AMFLIDMA	Available Now		
	Blackfoot	BLFTIDMA	Available Now		
	Bliss	BLSSIDMA	Available Now		
	Boise Main	BOISIDMA	Available Now		Available Now
	Boise Northwest	BOISIDNW	Available Now		
	Boise Southwest	BOISIDSW	Available Now		
	Boise West	BOISIDWE	Available Now		
	Burley	BRLYIDMA	Available Now		
	Caldwell	CLWLIDMA	Available Now		
	Boise Eagle	EAGLIDNM	Available Now		
	Emmett	EMMTIDMA	Available Now		
	Gooding	GDNGIDMA	Available Now		
	Hailey	HALYIDMA	Available Now		
	Idaho Falls	IDFLIDMA	Available Now		
	Inkom	INKMIDMA	Available Now		
	Jerome	JERMIDNM	Available Now		
	Ketchum	KTCHIDMA	Available Now		
	Kuna	KUNAIDMA	Available Now		
	Lewiston	LSTNIDSH	Available Now		
	Middleton	MDTNIDMA	Available Now		
	Meridian	MRDNIDMA	Available Now		
	Mountain Home	MTHOIDMA	Available Now		
	Nampa	NMPAIDMA	Available Now		
	New Plymouth	NPMOIDMA	Available Now		
	Pocatello Main	PCTLIDMA	Available Now		
	Pocatello North	PCTLIDNO	Available Now		
	Payette	PYTTIDMA	Available Now		
	Rigby	RGBYIDMA	Available Now		
	Riverside	RVSDIDMA	Available Now		
	Rexburg	RXBGIDMA	Available Now		
	Shelley	SHLYIDMA	Available Now		
	Shoshone	SHSHIDMA	Available Now		
	Twin Falls	TWFLIDMA	Available Now		
	Wendell	WNDLIDMA	Available Now		

IOWA

	<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
	Ames	AMESIATC	Available Now		
	Ankeny	ANKNIACO	Available Now		
	Cedar Rapids Downtown	CDRRIADT	Available Now		Available Now
	Cedar Rapids Marion	CDRRIAMN	Available Now		
	Cedar Rapids North	CDRRIANO	Available Now		
	Cedar Rapids West	CDRRIAWS	Available Now		
	Council Bluffs	CNBLIAWA	Available Now		
	Des Moines Ashworth	DESMIAAW	Available Now		
	Des Moines Downtown	DESMIADT	Available Now		Available Now
	Des Moines East	DESMIAEA	Available Now		
	Des Moines Northwest	DESMIANW	Available Now		

	<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
	Des Moines South	DESMIASO	Available Now		
	Des Moines West	DESMIAWS	Available Now		
	Dubuque Downtown	DUBQIATC	Available Now		
	Davenport Downtown	DVNPIADT	Available Now		
	Davenport East	DVNPIAEA	Available Now		
	Davenport Northeast	DVNPIANE	Available Now		
	Iowa City	IWCYIATC	Available Now		
	Muscatine	MSCTIACO	Available Now		
	Sioux City Downtown	SXCYIADT	Available Now		
	Underwood	UNWDIACO	Available Now		
	Waterloo	WTRLIADT	Available Now		

MINNESOTA

	<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
	Afton	AFTNMNAF	Available Now		
	Anoka	ANOKMNAN	Available Now	Available Now	
	Blaine	BLANMNBL	Available Now		
	Cedar	BLTNMNCE	Available Now		
	Normandale	BLTNMNNO	Available Now		
	Bloomington South	BLTNMNNO	Available Now		
	Brooklyn Center	BRCTMNBC	Available Now		
	Burnsville	BRVLMNBU	Available Now		
	Coon Rapids	CNRPMNND	Available Now		
	Crystal	CRYSMNCR	Available Now		
	Cottage Grove	CTGVMNCG	Available Now		
	Duluth	DLTHMNME	Available Now		
	Lexington	EAGNMNLB	Available Now		
	Eden Prairie	EDPRMNEP	Available Now		
	Glen Prairie	EDPRMNGP	Available Now		
	Fridley	FRDLMNFR	Available Now		
	Golden Valley Orchard	GLVYMNOR	Available Now		
	Hopkins	HPKNMNHO	Available Now	Available Now	
	Minneapolis 7th Ave	MPLSMN07	Available Now		
	Bryant	MPLSMNBB	Available Now		
	Beard	MPLSMNBE	Available Now		
	Minneapolis Downtown	MPLSMNDT	Available Now	Available Now	Available Now
	Minneapolis Franklin	MPLSMNFR	Available Now		
	Fort Snelling	MPLSMNFS	Available Now	Available Now	
	Minneapolis Grange	MPLSMNGE	Available Now		
	Minneapolis Penn	MPLSMNPE	Available Now		
	Minneapolis Pillsbury	MPLSMNPI	Available Now		
	Minneapolis 24 St	MPLSMNTF	Available Now		
	Maplewood Main	MPWDMNMA	Available Now		
	St. Paul Park Row	NSPLMNPR	Available Now		
	New Brighton	NWBTMNCL	Available Now		
	Fernbrook	PLMOMNFE	Available Now		
	Rochester	ROCHMNRO	Available Now		
	Shoreview – Rice St	SHVWMNRI	Available Now		
	St. Cloud	STCDMNT0	Available Now		

<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
St. Joseph	STJSMNSJ	Available Now		
Beech	STPLMNBE	Available Now		
Emerson	STPLMNEM	Available Now		
Front	STPLMNHBB	Available Now		
St. Paul Midway	STPLMNMI	Available Now		
St. Paul Market	STPLMNMK	Available Now	Available Now	Available Now
Stewartville	STVLMNST	Available Now		
Stillwater	STWRMNST	Available Now		
St. Paul West (Oakdale)	WSPLMNWS	Available Now		
Wayzata	WYZTMNWA	Available Now		

MONTANA

<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
Billings	BLNGMTMA	Available Now		
Butte	BUTTMT09	Available Now		
Bozeman	BZMNMTMA	Available Now		
Dillon	DLLNMTMA	Available Now		
East Helena	EHLNMTMA	Available Now		
Great Falls	GRFLMTMA	Available Now		
Havre	HAVRMTMA	Available Now		
Helena Main	HLNAMTMA	Available Now		Available Now
Helena North	HLNAMTNO	Available Now		
Lewistown	LWTWMTMA	T1 & Below Available Now		
Miles City	MLCYMTMA	T1 Available Now		
Missoula	MSSLMTMA	Available Now		
Shelby	SHLBMTMA	T1 & Below Available Now		

NORTH DAKOTA

<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
Bismarck	BSMRNDBC	Available Now		
Fargo Moorhead	FARGNDBC	Available Now		
Grand Forks	GDFRNDBC	Available Now		

NEBRASKA

<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
Fremont	FRMTNENW	Available Now		
Grand Island	GDISNENW	Available Now		
North Platte	NPLTNENW	Available Now		
Norfolk	NRFLNENW	Available Now		
Ogallala	OGLLNENW	T1 Available Now		
Omaha 78th St	OMAHNE78	Available Now		
Omaha 84th St	OMAHNE84	Available Now		
Omaha 90th St	OMAHNE90	Available Now		

<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
Omaha 135th St	OMAHNECE	Available Now		
Omaha Fort	OMAHNEFO	Available Now		
Fowler	OMAHNEFW	Available Now		
Omaha Harrison	OMAHNEHA	Available Now		
Omaha Izzard	OMAHNEIZ	Available Now		
Omaha Douglas	OMAHNENW	Available Now		
Omaha O St	OMAHNEOS	Available Now		
Wayne	WAYNNEUW	Available Now		

NEW MEXICO

<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
Albuquerque Academy	ALBQNMCA	Available Now		
Albuquerque Corrales	ALBQNMCR	Available Now		
Albuquerque East	ALBQNMEA	Available Now		
Albuquerque Main	ALBQNMMA	Available Now	Available Now	Available Now
Albuquerque Northeast	ALBQNMNE	Available Now		
Albuquerque North	ALBQNMNO	Available Now		
Albuquerque Rio Rancho	ALBQNMRR	Available Now		
Albuquerque San Mateo	ALBQNMMS	Available Now		
Albuquerque Southwest	ALBQNMMS	Available Now		
Albuquerque West	ALBQNMWE	Available Now		
Alamogordo Main	ALMGNMMA	Available Now		
Artesia	ARTSNMMA	Available Now		
Bernalillo Main	BRNLNMMA	Available Now		
Clovis Main	CLVSNMMA	Available Now		
Farmington	FRTNMMA	Available Now		
Gallup Main	GLLPNMMA	Available Now		
Laguna	LAACNM01	Available Now		
Los Alamos Main	LSALNMMA	Available Now		
Los Alamos Whiterock	LSALNMWR	Available Now		
Las Cruces Amber Mesa	LSCRNM16	Available Now		
Las Cruces Main	LSCRNMMA	Available Now	Available Now	
Las Cruces Telshor	LSCRNMMS	Available Now		
Las Vegas	LSVGNMMA	Available Now		
Portales	PTLSNMMA	Available Now		
Roswell Main	RSWLNMMA	Available Now		
Socorro	SCRNMMA	Available Now		
Silver City	SLCYNMMA	Available Now		
Sante Fe Main	SNFENMMA	Available Now	Available Now	
Santa Fe North	SNFENMNO	Available Now		
Sante Fe Southwest	SNFENMSW	Available Now	Available Now	
Taos	TAOSNMMA	Available Now		

OREGON

<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
Albany Main	ALBYOR63	Available Now		
Astoria	ASTROR64	Available Now		
Baker	BAKROR23	Available Now		
Bend	BENDOR24	Available Now		
Corvallis Main	CRVSOR65	Available Now		
Cottage Grove	CTGVOR53	OC3 and Below Available Now		
Eugene River Road	EUGNOR28	Available Now		
Eugene Main	EUGNOR53	Available Now		Available Now
Florence	FLRNOR53	Available Now		
Grants Pass	GRPSOR29	Available Now		
Independence	INDPOR58	Available Now		
Jefferson	JFSNOR63	Available Now		
Klamath Falls	KLFLOR54	Available Now		
Lake Oswego Main	LKOSOR62	Available Now		
Medford	MDFDOR33	Available Now		
Madras	MDRSOR52	Available Now		
Milwaukie	MLWKOR17	Available Now		
Newport	NWPTOR35	Available Now		
Oregon City	ORCYOR18	OC3 and Below Available Now		
Pendleton	PNTNOR56	Available Now		
Portland Cypress	PTLDOR02	Available Now		
Portland Alpine	PTLDOR11	Available Now		
Portland Atlantic	PTLDOR12	Available Now		
Portland Belmont	PTLDOR13	Available Now		Available Now
Portland Butler	PTLDOR14	Available Now		
Portland Cherry	PTLDOR17	Available Now		
Portland Prospect	PTLDOR18	Available Now		
Portland Capital	PTLDOR69	Available Now	Available Now	Available Now
Redmond	RDMDOR01	Available Now		
Roseburg	RSBGOR57	Available Now		
Salem Main	SALMOR58	Available Now		
Seaside	SESDOR64	Available Now		
Springfield	SPFDOR01	Available Now		
Woodburn	WDBNOR59	Available Now		

SOUTH DAKOTA

<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
Aberdeen	ABRSDCO	Available Now		
Belle Fourche	BLFRSDCO	Available Now		
Deadwood	DDWSDCO	Available Now		
Elk Point	ELPNSDCO	Available Now		

<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
Ft. Pierre	FTPRSDCE	Available Now		
Huron	HURNSDCO	Available Now		
Madison	MDSNSDCE	Available Now		
Mitchell	MTCHSDCO	Available Now		
Pierre	PIRRSDCO	Available Now		
Rapid City	RPCYSDCO	Available Now		
Rapid Valley	RPVYSDCO	Available Now		
Spearfish	SPRFSDCO	Available Now		
Sturgis	STRGSDCO	Available Now		
Sioux Falls Main	SXFLSDCO	Available Now		
Sioux Falls Southeast	SXFLSDSE	Available Now		
Sioux Falls Southwest	SXFLSDSW	Available Now		
Vermillion	VRMLSDCO	Available Now		
Warwick	WRWKSDCO	Available Now		
Watertown	WTTWSDCO	Available Now		
Yankton	YNTNSDCO	Available Now		

UTAH

<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
Brigham City Main	BGCYUTMA	Available Now		
Bountiful	BNTFUTMA	Available Now		
Cedar City	CDCYUTMA	Available Now		
Clearfield	CLFDUTMA	Available Now		
Farmington Main	FRTNUTMA	Available Now		
Holladay	HLDYUTMA	Available Now		
Kerns Main	KRNSUTMA	Available Now		
Lehi	LEHIUTMA	Available Now		
Logan	LOGNUTMA	Available Now		
Magna	MAGNUTNM	Available Now		
Midvale	MDVAUTMA	Available Now		
Murray Main	MRRYUTMA	Available Now		Available Now
Ogden Main	OGDNUTMA	Available Now		
Ogden North	OGDNUTNO	Available Now		
Ogden South	OGDNUTSO	Available Now		
Orem	OREMUTMA	Available Now		
Park City	PRCYUTMA	Available Now		
Provo Main	PROVUTMA	Available Now		Available Now
Richfield	RCFDUTMA	Available Now		
Salt Lake City East	SLKCUTEA	Available Now		
Salt Lake City Main	SLKCUTMA	Available Now	Available Now	Available Now
Salt Lake City South	SLKCUTSO	Available Now		
Salt Lake City West	SLKCUTWE	Available Now		
Springville	SPVLUTMA	Available Now		
St. George	STGRUTMA	Available Now		Available Now

WASHINGTON

	<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
	Auburn	AUBNWA01	Available Now		
	Bellingham	BLHMWA01	Available Now		
	Bellevue Glencourt	BLLVWAGL	Available Now		
	Bellevue Sherwood	BLLVWASH	Available Now	Available Now	Available Now
	Bremerton	BMTNWA01	Available Now		
	Issaquah	ISQHWAEX	Available Now		
	Kent O'brien	KENTWAOB	Available Now		
	Lacy Main	LACYWA01	Available Now		
	Longview	LGVWWA02	Available Now		
	Mercer Island	MRISWA01	Available Now		
	Olympia Whitehall	OLYMWA02	Available Now		
	Vancouver Orchard	ORCHWA01	Available Now		
	Puyallup	PYLPWA01	Available Now		
	Renton Main	RNTNWA01	Available Now		Available Now
	Silverdale	SLDLWASI	Available Now		
	Spokane Riverside	SPKNWA01	Available Now		Available Now
	Spokane Chestnut	SPKNWACH	Available Now		
	Spokane Fairfax	SPKNWAFI	Available Now		
	Spokane Hudson	SPKNWAHD	Available Now		
	Spokane Keystone	SPKNWAKY	Available Now		
	Spokane Walnut	SPKNWAWA	Available Now		
	Spokane Whitworth	SPKNWAWH	Available Now		
	Seattle East	STTLWA03	Available Now		
	Seattle Emerson	STTLWA04	Available Now		
	Seattle Atwater	STTLWA05	Available Now		
	Seattle Main	STTLWA06	Available Now	Available Now	Available Now
	Seattle Campus	STTLWACA	Available Now		
	Seattle Cherry	STTLWACH	Available Now		
	Seattle Duwamish	STTLWADU	Available Now		
	Seattle Elliot	STTLWAEI	Available Now	Available Now	Available Now
	Seattle Lakeview	STTLWALA	Available Now		
	Seattle Parkway	STTLWAPA	Available Now		
	Seattle Sunset	STTLWASU	Available Now		
	Seattle West	STTLWAVE	Available Now		
	Tacoma Fawcett	TACMWAFI	Available Now	Available Now	Available Now
	Tacoma Fort Lewis	TACMWAFL	Available Now		
	Tacoma Greenfield	TACMWAGF	Available Now		
	Tacoma Juniper	TACMWAJU	Available Now		
	Tacoma Lenox	TACMWALE	Available Now		
	Tacoma Logan	TACMWALO	Available Now		
	Tacoma Skyline	TACMWASY	Available Now		
	Tacoma Waverly 2	TACMWAWA	Available Now		
	Tacoma Waverly 7	TACMWAWV	Available Now		
	Vancouver Oxford	VANCWA01	Available Now		
	Vancouver North	VANCWANO	OC3 and Below Available Now		

<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
Yakima	YAKMWA02	Available Now		

WYOMING

<u>Wire Center</u>	<u>CLLI</u>	<u>ATM Availability Date</u>	<u>OC-12 UNI</u>	<u>DSL Hosts VC Count to 3000 Max</u>
Afton	AFTNWYMA	DS3 and Below Available Now		
Buffalo	BFLOWYMA	DS3 and Below Available Now		
* Cheyenne Main	CHYNWYMA	Available Now	Nov 2008	Available Now
Cody	CODYWYMA	Available Now		
Casper Main	CSPRWYMA	Available Now		
Douglas	DGLSWYMA	DS3 and Below Available Now		
Evanston	EVTNWYMA	DS3 and Below Available Now		
Glenrock	GLRKWYMA	DS3 and Below Available Now		
Gillette	GLTTWYMA	Available Now		
Green River	GNRVWYMA	DS3 and Below Available Now		
Jackson	JCSNWYMA	Available Now		
Kremmerer	KMMRWYMA	DS3 and Below Available Now		
Laramie Main	LARMWYNM	Available Now		
Lander	LNDRWYMA	DS3 and Below Available Now		
Lusk	LUSKWYMA	DS3 and Below Available Now		
Powell	POWLWYMA	Available Now		
Rock Springs Main	RCSPWYMA	Available Now		
Riverton Main	RVTNWYMA	Available Now		
Rawlins	RWLNWYMA	Available Now		
Sheridan	SHRDWYMA	Available Now		
Wheatland	WHLDWYMA	DS3 and Below Available Now		