

Network Disclosure Announcement #406

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

Call Waiting Deluxe in Conjunction with the Analog Display Services Interface (ADSI) Update 1/23/03

Original Disclosure Date: April 1, 1994
Update to Network Disclosure News #357

This disclosure announcement provides an update to the deployment information contained on the Attachment. This document completely replaces Network Disclosure News #357. The following is reiterated for your information. Interface specifications have not changed.

Summary: QWEST offers CLASS Feature Call Waiting Deluxe (CWD) interface in conjunction with the Analog Display Services Interface (ADSI). Call Waiting Deluxe allows a customer to control the treatment applied to incoming calls while the customer is off hook on a stable call via a visual display presented by the CPE. CWD is compatible with Type 3 CPE.

ADSI protocol provides bi-directional data communications between an SPCS (Stored Program Control Switch) or ADSI Server and ADSI compatible CPE.

Locations and Timing of Deployment:

Locations where Call Waiting Deluxe is planned or currently available can be found in Attachment 1. If the interface changes in the future, QWEST will issue a new Network Disclosure. In addition, any new deployment locations will be added to the QWEST web site at <http://www.uswest.com/disclosures> in disclosure #406.

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Call Waiting Deluxe deployment to the following new switch location in the state of Iowa: Waukee (WAUKIACODS1).

Pricing: This interface is available under tariff.

Interface Requirements:

Telcordia Technical Reference GR-416-CORE, Call Waiting Deluxe, FDS (Feature Document Specifications) 01-02-1215, Issue 2, December 1999.

Telcordia Technical Reference GR-30-CORE and GR-1273-CORE, define the actual data transmission interface requirements and address the physical, data link and message layers.

GR-30-CORE, Voiceband Data Transmission Interface Generic Requirements, Issue 1, December 1994, defines requirements for data transmission in both the on-hook and off-hook states. On-hook data transmission associated with power ringing is currently being used by QWEST to transmit Caller Identification information from the serving central office switch to the CPE and will not change. Off-hook data transmission will be used to transmit Caller Identification information during a Call Waiting state. In the off-hook state, the actual data transmission will be preceded by an inband CPE Alerting Signal (CAS), defined as an 80-85 ms dual tone, with nominal frequencies of 2130 Hz and 2750 Hz. The data transmission rate will be 1200 baud, with a continuous-phase binary frequency shift keying (BFSK) modulation.

GR-1273-CORE, Generic Requirements for an SPCS to Customer Premises Equipment Data Interface for Analog Display Services, Issue 1, July 1998, defines the Analog Display Services Interface (ADSI). The ADSI protocol provides bi-directional data communications between an SPCS (switch) or Server (host computer) and ADSI-Compatible CPE allowing a customer to use screen based information and call management features via their CPE. The standard Analog Display protocol uses both DTMF and GR-30 CAS tones, and GR-30-CORE physical layer protocol

type modem signaling to provide basic communication between the SPCS/Server and the CPE. The SPCS/Server will use a voice band CAS to "wake up" the CPE to receive data, as in the off-hook GR-30 protocol. The CPE will use various combinations of DTMF tones to provide acknowledgments and responses to the SPCS/Server.

The following Telcordia Special Reports, SR-TSV-002476 and SR-2461 provide compatibility guidelines for CPE to operate with the data interfaces defined. SR-TSV-002578 describes a method for detecting a dual tone signal in the presence of speech. These SRs may be helpful to vendors who plan to build ADSI compatible CPE.

SR-TSV-002476, Customer Premises Equipment Compatibility Considerations for the Voiceband Data Transmission Interface, Issue 1, December 1992.

Bulletins: December 1993

Revision 1: June 1995

SR-2461, Customer Premises Equipment Compatibility Guidelines for the Analog Display Services Interface, Issue 1, July 1998. SR-TSV-002578, A Method and Apparatus for Detecting a Dual Tone Signal in the Presence of Speech, Issue 1, April 1993.

These documents can be obtained by writing or calling:

Telcordia Technologies
Customer Services
8 Corporate Place, Room PYA-184
Piscataway, NJ 08854-4196
1-800-521-CORE or telecom-info@telcordia.com

Document Price:	GR-416-CORE	\$ 100.00
	GR-30-CORE	\$ 150.00
	GR-1273-CORE	\$400.00
	SR-TSV-002476	\$100.00
	SR-2461	\$ 300.00
	SR-TSV-002578	\$100.00
	Bulletins are Free of Charge	

Additional Information:

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

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NOTE: This announcement has been released in accordance with the FCC's rule 51.333(a), Certification of Short Term Public Notice.