

Network Disclosure Announcement No. 620

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

Serial Digital Video Service (SDVS)

Original Date Posted: August 7, 2007
First Implementation Date: October 5, 2007
Replacement to Network Disclosure #436

Summary: This document announces Qwest's intentions to update its existing Serial Digital Video Service (SDVS) of 270 Mbps (SDI and DVB-ASI) to include 1.485Gbps (HD-SDI) and 19.4Mbps (SSI) for central offices where facilities are available. Equipment and facilities for these services are provided on a customer demand basis and are not pre-provisioned. SDVS is designed for one-way, point-to-point applications. Application examples include transport for an inter-production studio, venue to studio, venue to carrier point-of-presence (POP), studio to master broadcast antenna and studio to satellite uplink site.

Locations and Timing of Deployment: Qwest plans to deploy Serial Digital Video Services (1.485Gbps, 270Mbps, and 19.4Mbps) throughout its territory where technically feasible and facilities are available. In the case where the interfaces for Serial Digital Video Services change, Qwest will issue a new disclosure and place it on the Qwest disclosure web site at <http://www.qwest.com/disclosures>

Pricing: Qwest will price the Serial Digital Video Services (1.485Gbps, 270Mbps, and 19.4Mbps) on customer demand, on an individual case by case basis. However, Federal FCC tariffs will be filed. These services will not be pre-provisioned.

Interface Requirements: The purpose for this network disclosure is the addition of two new service offerings to Qwest's Serial Digital Video Service. The two additional service offerings are 1.485Gbps (HD-SDI, SMPTE 292 standard) and 19.4Mbps (SSI, SMPTE 310M standard). These services are provided over standard fiber optic facilities for transporting a video signal that has been encoded to 1.485Gbps for HD-SDI and 19.4Mbps for SSI. 270Mbps (SDI and DVB-ASI) service will continue to be offered under SDVS.

Serial Digital Interface (SDI)

The equipment deployed for this service operates according to specifications of the standard document SMPTE 259M-1997 *Television -- 10-Bit 4:2:2 Component and $4f_{sc}$ Composite Digital Signals -- Serial Digital Interface*. The customer may also include ancillary data (for audio and data services) in this transport stream that will be passed transparently and not appear separately at the network interface. The customer will perform their own coding of the NTSC 4:2:2 component signals and any ancillary data into a 270 Mbps Serial Digital Interface video signal.

Digital Video Broadcast - Asynchronous Serial Interface (DVB-ASI)

DVB-ASI (Digital Video Broadcasting-Asynchronous Serial Interface) is a standard 270 Mbps transport of single or multiple MPEG2 transport streams as defined in ISO 13818-1. The customer will convert the video stream to MPEG2 and provide the multiple MPEG2 streams on a single coaxial cable to Qwest. The customer demarcation point shall operate in accordance with European Standard, EN 50083-9 (V2: 03/98).

High Definition - Serial Digital Interface (HD-SDI)

The equipment deployed for this service operates according to specifications of the standard document SMPTE 292-2006 *1.5 Gb/s Signal/Data Serial Interface*. The customer may also include ancillary data (for audio and data services) in this transport stream that will be passed transparently and not appear separately at the network interface. The customer will perform their own coding of the NTSC 4:2:2 component signals and any ancillary data into a 1.485 Gbps Serial Digital Interface video signal.

Synchronous Serial Interface (SSI)

The equipment deployed for this service operates according to specifications of the standard document SMPTE 310M-2004 *Television - Synchronous Serial Interface for MPEG-2 Digital Transport Stream*.

The specifications of these interfaces will conform to the transmission requirements outlined in Qwest Technical Publication 77401 (to be updated). Qwest will provide an electrical interface and physical channel connection as described in publication 77401. This updated document will be posted to the Qwest web site (<http://www.qwest.com/techpub/>) at a later date.

Additional Information:

Any customer premises equipment vendor/manufacturer or enhanced services provider wanting to offer products or services in conjunction with the Serial Digital Video Interfaces may request additional information by contacting:

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