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7 NC Code Data 7-1

7.1 AC - DSL, Asymmetrical Digital Subscriber Line (ADSL) 7-1

7.2 AD - DSL, Digital Subscriber Line (DSL) 160 Kbps Transport 7-2

7.3 AH - DSL, High-bit-rate Digital Subscriber Line (HDSL) 7-2

7.4 AJ - DSL, High-bit-rate Digital Subscriber Line 2nd Generation (HDSL2) 7-2

7.5 AK - DSL, Single-pair High-speed Digital Subscriber Line (SHDSL)
per T1.422-2002 7-3

7.6 BF - Broadband Facility 7-3

7.7 CW - Course Wave Division Multiplexing (CWDM) system with a
maximum of 2.5 Gbps per wavelength. 7-3

7.8 DS - Dense Wave Division Multiplexing (DWDM) system with a
maximum of 2.5 Gbps per wavelength 7-4

7.9 DT - Dense Wave Division Multiplexing (DWDM) system with a
maximum of 10 Gbps per wavelength 7-5

7.10 DU - Dense Wave Division Multiplexing (DWDM) system with a
maximum of 40 Gbps per wavelength 7-6

7.11 ED - E3, ITU digital hierarchy level 3, 34.368 Mbps 7-7

7.12 EH - E4, ITU digital hierarchy level 4, 139.264 Mbps 7-7

7.13 EJ - E1, ITU digital hierarchy level 1, 2.048 Mbps 7-7

7.14 EK - E2, ITU digital hierarchy level 2, 8.448 Mbps 7-8

7.15 EX - E1, ITU digital hierarchy level 1, Fractional E1, 2.048 Mbps 7-8

7.16 HC - DS1, High Capacity Channel Service HC1, 1.544 Mbps 7-10

7.17 HD - DS1C, High Capacity Channel Service HC1C, 3.152 Mbps 7-20

7.18 HE - DS2, High Capacity Channel Service HC2, 6.312 Mbps 7-20

7.19 HF - DS3, High Capacity Channel Service HC3, 44.736 Mbps 7-20

7.20 HG - DS4, High Capacity Channel Service HC4, 274.176 Mbps 7-23

7.21 HH - DS5, High Capacity Channel Service HC5, greater than 44.736 Mbps 7-24

7.22 HM - LAN, Non-Ethernet (Token Ring, FDDI, etc.) 7-24

7.23 HS - Digital Data, DS0, 64 Kbps HC0 7-26

7.24 HX - DS1, Fractional T1 7-27

7.25 IA - ISDN Basic Rate Access Line 7-35

7.26 JE - SONET, VT1, 1.728 Mbps 7-35

7.27 JI - SONET Electrical STS-1, 51.84 Mbps 7-35

7.28 JJ - SONET Electrical STS-3, 155.520 Mbps 7-37

7.29 JK - SONET Electrical STS-12, 622.080 Mbps 7-38

7.30 JL - STS-48 7-38

7.31 JM - SONET Electrical STS-6, 311 Mbps 7-39

7.32 JT - SDH, Electrical STM-1, 155.520 Mbps 7-39

7.33 KD - Ethernet at 10 Mbps 7-39

7.34 KE - Ethernet at 100 Mbps 7-40

7.35 KF - Ethernet at 1 Gbps 7-41

7.36 KG - Ethernet at 10 Gbps 7-41

7.37 KP - Ethernet, Rate-Adjustable 10 Mbps Ethernet 7-42

7.38 KQ - Ethernet, Rate-Adjustable 100 Mbps Ethernet 7-44

7.39 KR - Ethernet, Rate-Adjustable 1 Gbps Ethernet (Full Duplex) 7-47

7.40 KS - Ethernet, Rate-Adjustable 10Gbps 7-54

7.41 LA - Voice Grade, Local Area Data Channel 7-54

7.42 LB - Voice Grade Channel Service VG01 7-54

7.43 LC - Voice Grade Channel Service VG02 7-55

7.44 LD - Voice Grade Channel Service VG03 7-56

7.45 LE - Voice Grade Channel Service VG04 7-56

7.46 LF - Voice Grade Channel Service VG05 7-57

7.47 LG - Voice Grade Channel Service VG06 7-59

7.48 LH - Voice Grade Channel Service VG07 7-62

7.49 LJ - Voice Grade Channel Service VG08 7-67

7.50 LK - Voice Grade Channel Service VG09 7-68

7.51 LN - Voice Grade Channel Service VG10 7-69

7.52 LP - Voice Grade Channel Service VG11 7-72

7.53 LR - Voice Grade Channel Service VG12 7-73

7.54 LV - DS0, Data Over Voice (DOV) 7-73

7.55 LX - Unbundled Dedicated Facility without equipment, dark fiber or
copper loops with nominal 1004 Hz transducer loss of 8dB (unless
otherwise specified) per T1.TRQ.7-2002 7-73

7.56 LY - Unbundled Dedicated Facility with equipment, copper loops with nominal
1004 Hz transducer loss of 8dB (unless otherwise specified)
per T1.TRQ.7-2002 7-74

7.57 LZ - Voice Grade Basic VGB 7-75

7.58 NT - Metallic Channel Service MT1 7-75

7.59 NY - Telegraph Channel Service TG2 7-75

7.60 OA - SONET, OC1, 51.84 Mbps 7-76

7.61 OB - SONET, OC3, 155.520 Mbps 7-77

7.62 OD - SONET, OC12, 622.080 Mbps 7-79

7.63 OF - SONET, OC48, 2488.320 Mbps 7-82

7.64 OG - SONET, OC192, 9953.280 Mbps 7-84

7.65 OH - SONET, OC768, 39813.12 Mbps 7-87

7.66 OP - LAN, Optical Data Transport 7-87

7.67 OT - SDH, Optical STM-1 per ITU G.707 155.520 Mbps 7-90

7.68 OU - SDH, Optical STM-4 per ITU G.707 622.080 Mbps 7-90

7.69 OV - SDH, Optical STM-16 per ITU G.707 2488.320 Mbps 7-91

7.70 OW - SDH, Optical STM-64 per ITU G.707 9953.280 Mbps 7-91

7.71 OX - SONET, Flexible Rate 7-91

7.72 PB - Program Audio Channel Service, 300 Hz- 2,500 Hz AP0 7-91

7.73 PE - Program Audio Channel Service, 200 Hz – 3,500 Hz AP1 7-92

7.74 PF - Program Audio Channel Service, 100 Hz – 5,000 Hz AP2 7-93

7.75 PI - Wavelength Channel, Protocol Independent and Bit Rate
Variable channel on DWDM/CWDM 7-93

7.76 PJ - Program Audio Channel Service, 50 Hz – 8,000 Hz AP3 7-94

7.77 PK - Program Audio Channel Service, 50 Hz – 15,000 Hz AP4 7-94

7.78 PN - Program Audio Channel Service, 20 Hz – 20,000 Hz AP5 7-95

7.79 RP - Packet Ring Segment 7-95



7.80 SB - Switched Access 2-wire 7-96

7.81 SD - Switched Access 4-wire 7-100

7.82 SE - WATS Access Lines – Standard 7-106

7.83 SF - WATS Access Lines – Improved 7-108

7.84 SH - 4-Wire Switched Access Transmission Type A1 7-109

7.85 SI - Switched Access DS0 Channels on a PRI 7-110

7.86 SJ - Voice Grade, Limited Switched Access Line 7-110

7.87 SN - Unbundled, Switched Access port term 7-110

7.88 SP - Unbundled, PSTN Channel (e.g., POTS, CENTREX) 7-113

7.89 SV - Software defined network Access Line 7-113

7.90 SY - Synchronous Timing (unidirectional service from the Service
Provider to the customer) 7-114

7.91 SZ - Electronic Business Service 7-114

7.92 TB - Video, 19.39 Mbps Synchronous Serial MPEG-2 Video Transport
per SMPTE-310M 7-114

7.93 TD - Video, Serial Digital Video up to 270Mbps 7-115

7.94 TE - Video, Component Serial Digital Video - Compressed
(e.g., Requires DS3 Transport)[Note: Per SMPTE 125M] 7-115

7.95 TG - Video, One-Way, Point-to-Point, DBRITE 20 mhz Wideband
Video Signal 7-116

7.96 TM - Video, Uncompressed Digital Video up to 1.5 Gbps for HDTV
per SMPTE Standard 292M 7-116

7.97 TP - Video, Broadcast Video Phase Alternation by Line (PAL) 7-116

7.98 TS - Video, Video Transport head end - hub TV5 7-116

7.99 TV - Video, Television Channel Service TV1 7-117

7.100 TZ - Video, Non-broadcast transmission of a 525 Line 60 field
System M-NTSC composite television signal & Audio Channels. TV3 . . . 7-117

7.101 UA - Unbundled, Line Sharing Service: xDSL capable Facility
shared with an existing Plain Old Telephone Service 7-119

7.102 UB - ISDN 7-120

7.103 UC - Voice Grade Channel Service VG32 7-120

7.104 UD - Voice Grade Channel Service VG33 7-121

7.105 UE - Program Audio Channel Service, 200 Hz – 3,500 Hz AP31 7-122

7.106 UG - Voice Grade Channel Service VG36 7-122

7.107 UH - DS1, Digital High Capacity 7-123

7.108 UQ - Voice Grade Custom Service VGC; specifies an analog service
suitable for voice or voice grade data transmission parameters.
Usable frequencies are nominally 300 to 3000 Hz. This channel is
to handle customer requirements not covered by the other voice
grade channels as covered by Qwest’s tech pub 77311. 7-124

7.109 UR - Unbundled, Line Splitting Service (voice and data service
provided by competing carrier(s) over a single loop)(In the US,
defined in FCC 03-36) 7-124

7.110 US - Digital Data, DS0, 64 Kbps 7-125

7.111 UY - DS0, Low speed Data LS31 7-126

7.112 VC - Video Cable supporting cable band and satellite band services 7-126

7.113 VL - Ethernet Virtual Connection (An association of two or more
UNIs that limits the exchange of Service Frames to UNIs in the
Ethernet Virtual Connection per MEF 10) 7-126

7.114 VM - IP Virtual Connection - A virtual path carrying IP encoded traffic from a Customer's access point to a Provider's Network Element; e.g. Soft Switch, Proxy, Session Border Controller. 7-127

7.115 WA - Wideband Analog 7-127

7.116 WD - Wireline Transport for RF Spectrum 7-127

7.117 WE - Wideband Data Channel Service WD2 7-128

7.118 XA - Digital Data, Digital Access Channel Service DA1 2.4 Kbps 7-128

7.119 XB - Digital Data, Digital Access Channel Service DA2 4.8 Kbps 7-129

7.120 XC - Digital Data, Digital Access Channel Service DA5 19.2 Kbps 7-131

7.121 XD - Digital Data, Digital Access Channel Service DA6 64 Kbps 7-132

7.122 XE - Digital Data Variable, Digital Access Channel Service DA1-6 2.4 – 64 Kbps 7-133

7.123 XF - Digital Data, Digital Access Channel Service 38.4 Kbps 7-135

7.124 XG - Digital Data, Digital Access Channel Service DA3 9.6 Kbps 7-136

7.125 XH - Digital Data, Digital Access Channel Service DA4 56 Kbps 7-138

7.126 XK - Digital Data, Digital Access Channel Service 128 Kbps 7-140

7.127 XR - Digital Data Variable, Advanced Digital Network (ADN) 7-140

7.128 YH - DS3, Fractional DS3/NxDS1 7-142

7.129 YM - DS1 Signaling Link at 1.544 Mbps 7-148

7.130 YN - Voice Grade, Signaling Link 7-148

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