



## Frontier 13 Service Territory - NC/NCI Code Matrix

### Network Channel Codes (NC)/ Network Channel Interface (NCI Codes) Matrix-Frontier 13

1 - Overview paragraph of Transaction and why it is used. NC/NCI codes are required when ordering specific services from Frontier. These codes are used to Identify the channel being ordered and electrical conditions on the circuit. These codes are commonly referred to as network channel codes (NC), network channel interface codes (NCI) and secondary channel interface codes (SECNCI).

2 - Overview paragraph of when to use Transaction Services requiring NC/NCI Codes consist of loops, direct inward dialing/direct outward dialing/2-way, ISDN PRI, line splitting, line share, UNE-P, private line, and Frame Relay. NOTE: some services require SECNCI, refer to the Frontier Business Rules for specific LSR field requirements. A - These services are to be ordered using the appropriate Telcordia Technologies NC/NCI/SECNCI. B - For a listing of NC/NCI/SECNCI codes, and definitions, please contact Telcordia Technologies at their website. NOTE: Frontier is providing NC/NCI for specific services offered by Frontier in the following matrix. C - Frontier does provision and maintain all transports and private line circuits based upon the NC/NCI codes provided on the Local Service Request provided by the Service Provider/CLEC.

3 - Overview paragraph of how to complete or how to use transaction The NC/NCI/SECNCI codes are populated using the Local Service Request (LSR), in the Administrative Section, for the following fields as applicable, NC, NCI and SECNCI. A - Refer to the Frontier Business Rules for specific LSR field requirements.

4 - Overview paragraph of transaction responses from Frontier When NC/NCI codes are not populated or are not valid for the service ordered an error message is provided to the CLEC.

5 - Overview next steps for customer Upon receiving an error from Frontier, research the error code and determine the correction needed. A - Submit a supplemental LSR and provide the correcting information for the NC/NCI or SECNCI.

6 - Other transactions related to this transaction A - Glossary Network Channel (NC) - Identifies the network channel code for the circuits) involved. The network channel code describes the channel being requested.

Network Channel Interface (NCI) - The field consists of up to a twelve Identifies the electrical conditions on the circuit at the ACTL/Primary Location character code. Network Channel Interface / Secondary Location (SECNCI) - Identifies the electrical conditions on the circuit at the secondary ACTL or end user location. The field consists of up to a twelve (12)character code NOTE: May be required when ordering services from Frontier, reference Business rules for usage rules. Requisition Type (REQTYP) - Identifies the type of service being requested and the status of the request. Sub Loop Indicator (SLI) - Identifies the type of sub loop the customer is requesting from Frontier, reference Business rules for usage rules. Requisition Type (REQTYP) - Identifies the type of service being requested and the status of the request. Sub Loop Indicator (SLI) - Identifies the type of sub loop the customer is requesting.



TOS 2nd Character	TOS 4th Character 1=Non-Design 2=Design N=Normal	LSR SLI	Element	NC Code	NCI Code	SECNCI Code	SCMD	A - Z Location EU - End User CO Central Office	REQTYP	Production Date
<b>DESIGNED 4 WIRE LOOP</b>										
4	2	S	4-Wire Digital	LX-N	04QB2.0		TYSU		AB,BB	
4	2	S	4-Wire Digital-Remove Bridge Taps and Load Coils -OVER 12,000 FT	LXCN	04QC5.		TYFU		AB,BB	
4	2	S	4-Wire Digital-Remove Load Coils only OVER 12,000 FT	LXC-	04QC5.		TYFU		AB,BB	
4	2	S	4-Wire Digital-Remove Bridge Taps only OVER 12,000 FT	LX-N	04QC5.		TYFU		AB,BB	
4	2	S	4-Wire Digital-Remove Bridge Taps only UNDER 12,000 FT	LX-N	04QB9.11		TYFU		AB,BB	
<b>NON DESIGNED ADSL CAPABLE 2 WIRE LOOPS</b>										
2	1	S	2-Wire ADSL Capable Loop	LX-N	02QB9.00A		ARSU		AB,BB	
2	1	S	2-Wire ADSL Capable - Remove Bridge Taps and Load Coils OVER 12,000 FT (18,000 FT for NV Only)	LXCN	02QB9.00A		ARFU		AB,BB	6/14/2004
2	1	S	2-Wire ADSL Capable-Remove Load Coils only -OVER 12,000 FT (18,000 FT for NV Only)	LXC-	02QB9.00A		ARFU		AB,BB	6/14/2004
2	1	S	2-Wire ADSL Capable - Remove Bridge Taps OVER 12,000 FT (18,000 FT for NV Only)	LXRN	02QB9.00A		ARFU		AB,BB	6/14/2004
2	1	S	2-Wire ADSL Capable-Remove Bridge Taps only - UNDER 12,000 FT (18,000 FT for NV Only)	LX-N	02QB9.00C		ARFU		AB,BB	6/14/2004



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<b>ISDN CAPABLE 2 WIRE LOOPS</b>										
H	2	S	2-Wire ISDN-BRI Capable (Designed)	LX-N	02QB2.001		IBSU		AB,BB	2/14/2005
H	1	S	2-Wire ISDN-BRI Capable (Non-Designed)	LX-N	02QB2.001		UBSU		AB,BB	2/14/2005
H	1	S	2-Wire ISDN-BRI Capable – (Non-Designed) Remove Bridge Taps and Load Coils – OVER 12,000 FT	LXRN	02QB5.001		UBSU		AB,BB	2/14/2005
H	1	S	2-Wire ISDN-BRI Capable – (Non-Designed) Remove Load Coils only - OVER 12,000 FT	LXR-	02QB5.001		UBSU		AB,BB	2/14/2005
H	1	S	2-Wire ISDN-BRI Capable – (Non-Designed) Remove Bridge Taps only – OVER 12,000 FT	LXRN	02QB5.0S1		UBSU		AB,BB	2/14/2005
H	1	S	2-Wire ISDN-BRI Capable – (Non-Designed) Remove Bridge Taps Only - UNDER 12,000 FT	LXCN	02DU5.001		UBFU		AB,BB	2/14/2005
H	2	S	2-Wire ISDN-BRI Capable – (Designed) Remove Bridge Taps and Load Coils – OVER 12,000 FT	LXRN	02DU5.001		IBSU		AB,BB	2/14/2005
H	2	S	2-Wire ISDN-BRI Capable – (Designed) Remove Load Coils only – OVER 12,000 FT	LXR-	02DU5.001		IBSU		AB,BB	2/14/2005
H	2	S	2-Wire ISDN-BRI Capable – (Designed) Remove Bridge Taps only – OVER 12,000 FT	LXRN	02QB2.001		IBSU		AB,BB	2/14/2005
H	2	S	2-Wire ISDN-BRI Capable – (Designed) Remove Bridge Taps only – UNDER 12,000 FT	LXCN	02QB5.001		IBSU		AB,BB	2/14/2005



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<b>ISDN CAPABLE 4 WIRE LOOPS</b>										
K	2	S	4-Wire ISDN-PRI Capable	LX- -	04QB9.11		IPSU		AB,BB	
K	2	S	4-Wire ISDN-PRI Capable - Remove Bridge Taps and Load Coils	LXCN	04QB9.11		IPFU		AB,BB	
K	2	S	4-Wire ISDN-PRI Capable - Remove Load Coils only	LXC-	04QB9.11		IPFU		AB,BB	
K	2	S	4-Wire ISDN-PRI Capable - Remove Bridge Taps only	LX-N	04QB9.11		IPFU		AB,BB	2/14/2005
<b>SDSL CAPABLE 2 WIRE LOOPS</b>										
2	1	S	2-Wire SDSL Capable	LX- -	02QB5.002		TXXS		AB	6/13/2005
2	1	S	2-Wire SDSL Capable-Remove Bridged Tap only-UNDER 12,000 FT	LX-N	02QB5.002		TXFS		AB	6/13/2005
2	1	S	2-Wire SDSL Capable-Remove Bridged Tap and Load Coils-OVER 12,000 FT	LXUN	02QB5.002		TXFS		AB	6/13/2005
2	1	S	2-Wire SDSL Capable-Remove Load Coils only-OVER 12,000 FT	LXR-	02QB5.002		TXFS		AB	6/13/2005
2	1	S	2-Wire SDSL Capable-Remove Bridged Tap only-OVER 12,000 FT	LXN-	02QB5.002		TXFS		AB	6/13/2005
<b>IDSL CAPABLE 2 WIRE LOOPS</b>										
2	1	S	2-Wire IDSL Capable	LX- -	02QB5.001		TXXU		AB	6/13/2005
2	1	S	2-Wire IDSL Capable-Remove Bridged Tap only-UNDER 12,000 FT	LX-N	02QB5.001		TXFU		AB	6/13/2005
2	1	S	2-Wire IDSL Capable-Remove Bridged Tap and Load Coils-OVER 12,000 FT	LXUN	02QB5.001		TXFU		AB	6/13/2005
2	1	S	2-Wire IDSL Capable-Remove Load Coils only-OVER 12,000 FT	LXR-	02QB5.001		TXFU		AB	6/13/2005
2	1	S	2-Wire IDSL Capable-Remove Bridged Tap only-OVER 12,000 FT	LXN-	02QB5.001		TXFU		AB	6/13/2005



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<b>56KBPS CAPABLE 4 WIRE LOOPS</b>										
4	2	S	4-Wire 56 KBPS Capable Loop	LX -	04QC5.OOP		DWSU		AB,BB	
4	2	S	4-Wire 56 KBPS Capable - Remove Bridge Taps and Load Coils	LXCN	04QC5.OOP		DWFU		AB,BB	
4	2	S	4-Wire 56 KBPS Capable - Remove Load Coils only	LXC-	04QC5.OOP		DWFU		AB,BB	
4	2	S	4-Wire 56 KBPS Capable - Remove Bridge Taps only	LX-N	04QC5.OOP		DWFU		AB,BB	
<b>HDSL CAPABLE 2 WIRE LOOPS</b>										
2	1	S	2-Wire HDSL Capable (standard Bridged Tap allowances, <2.5k ft)	LXC-	02QB5.00H		TXXU	CO-EU	AB,BB	
2	1	S	2-Wire HDSL Capable - Remove Bridged Taps down to zero	LXCN	02QB5.00H		TXXU	CO-EU	AB,BB	
<b>HDSL CAPABLE 4 WIRE LOOPS</b>										
4	2	S	4-Wire HDSL Capable	LX -	04QB5.00H		AQSU		AB,BB	
4	2	S	4-Wire HDSL Capable - Over 12,000 ft Remove Bridge Taps and Load Coils	LXCN	04QB5.00H		AQFU		AB,BB	
4	2	S	4-Wire HDSL Capable - Over 12,000 ft Remove Load Coils only	LXC-	04QB5.00H		AQFU		AB,BB	
4	2	S	4-Wire HDSL Capable - Over 12,000 ft Remove Bridge Taps only	LX-N	04QB5.00H		AQFU		AB,BB	
4	2	S	4-Wire HDSL Capable - Under 12,000 ft Remove Bridge Taps only	LX-N	04QB5.00H		AQFU		AB,BB	



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DS1 4 WIRE LOOPS										
4	2	S	4-Wire Digital DS1 (Superframe & AMI)	HC- -	04QB9.11		DHSU		AB,BB	
4	2	S	4-Wire Digital DS1 (Superframe & B8ZS)	HCZ-	04QB9.11		DHSU		AB,BB	
4	2	S	4-Wire Digital DS1 (Extended Superframe & AMI)	HCD-	04QB9.11		DHSU		AB,BB	
4	2	S	4-Wire Digital DS1 (Extended Superframe & B8ZS)	HCE-	04QB9.11		DHSU		AB,BB	2/14/2005
4	2	S	4-Wire Digital DS1 (Superframe & AMI/Frame Relay)	HC-R	04QB9.11		FZDU		AB,BB	
4	2	S	4-Wire Digital DS1 (Superframe & B8ZS/Frame Relay)	HCZR	04QB9.11		FZDU		AB,BB	
4	2	S	4-Wire Digital DS1 (Extended Superframe & B8ZS/Frame Relay)	HCER	04QB9.11		FZDU		AB,BB	
4	2	S	4-Wire Digital DS1 (Extended Superframe &	HCFD	04QB9.11		ASDU		AB,BB	
ATM										
4	2	S	4-Wire Digital DS1 (Extended Superframe & B8ZS/ATM)	HCEJ	04QB9.11		ASDU		AB,BB	
DS3 4 WIRE LOOPS										
4	2	S	4-Wire Digital DS3	LX-N	04QB6.33		HISU		AB,BB	
4	2	S	4-Wire Digital DS3 (ATM)	HF-6	04QB6.33		HISU		AB,BB	
4	2	S	4-Wire Digital DS3 (Frame Relay)	HF-D	04QB6.33		QIDU		AB,BB	



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<b>UNE PLATFORM</b>										
7	1	S	UPLAT 2-Wire Analog - Loop Start	SNAL	02QC3.OOE		LSPU		DB	
A	1	S	UPLAT 2-Wire Analog - Loop Start with Rotary Hunt	SNAL	02QC3.OOE		LSPU		DB	
7	1	S	UPLAT 2-Wire Analog - Ground Start	SNAL	02QC2.OOC		LSPU		DB	
A	1	S	UPLAT 2-Wire Analog - Ground Start	SNAL	02QC2.OO2		LSPU		DB	
<b>Permanent UNE-P PAL</b>										
C	1		One-Way UNE-P PAL	SPSE	02LS2				DB	
C	1		Two-Way UNE-P PAL	SPSD	02LS2				DB	
<b>Permanent UNE-P Coin</b>										
C	1		One-Way UNE-P COIN	SPSB	02LS2				DB	
C	1		Two-Way UNE-P COIN	SPSA	02LS2				DB	
<b>UNE-P Centrex</b>										
E	1	S	UPLAT 2-Wire Analog - Loop Start	SNAL	02QC3.OOE		LSPU		DB	
E	1	S	UPLAT 2-Wire Analog - Ground Start	SNAL	02QC2.OOC		LSPU		DB	



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LINE SHARE - ALL STATES EXCEPT CALIFORNIA										
R	1	S	Line Share - Splitter by CLEC Non Conditioned	UA- -	02QB9.005		SWXX		AB	
R	1	S	Line Share - Splitter by VZ Non Conditioned	UA-S	02QB9.005		SWXX		AB	
R	1	S	Line Share - Splitter by CLEC - No Load Coils OVER 12,000 FT	UAR-	02QB9.005		SWYX		AB	
R	1	S	Line Share - Splitter by CLEC - No Bridge Taps OVER 12,000 FT	UA-N	02QB9.005		SWYX		AB	
R	1	S	Line Share - Splitter by CLEC - No Bridge Taps OVER 12,000 FT	UARN	02QB9.005		SWYX		AB	
R	1	S	Line Share - Splitter by VZ - No Load Coils OVER 12,000 FT	UARS	02QB9.005		SWYX		AB	
R	1	S	Line Share - Splitter by VZ - No Bridge Taps OVER 12,000 FT	UARR	02QB9.005		SWYX		AB	
R	1	S	Line Share - Splitter by VZ -No Load Coils or Bridge Taps - OVER 12,000 FT	UART	02QB9.005		SWYX		AB	
R	1	S	Line Share - Splitter by CLEC - No Bridge Taps UNDER 12,000 FT	UA-T	02QB9.005		SWYX		AB	
R	1	S	Line Share - Splitter by VZ - No Bridge Taps UNDER 12,000 FT	UACR	02QB9.005		SWYX		AB	





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<b>LINE SHARE - CALIFORNIA ONLY</b>										
R	1	S	Line Share - Splitter by CLEC	UA- -	02QB9.005		SWXX		AB	
R	1	S	Line Share - Splitter by VZ	UA-S	02QB9.005		SWXX		AB	
R	1	S	Line Share - Splitter by CLEC - No Load Coils or Bridge Taps - OVER 12,000 FT	UARN	02QB9.005		SWYX		AB	
R	1	S	Line Share - Splitter by VZ - No Load Coils or Bridge Taps OVER 12,000 FT	UART	02QB9.005		SWYX		AB	2/14/2005
R	1	S	Line Share - Splitter by VZ - No Bridge Taps UNDER 12,000 FT	UACR	02QB9.005		SWYX		AB	2/14/2005
R	1	S	Line Share - Splitter by CLEC - No Bridge	UA-T	02QB9.005		SWYX		AB	2/14/2005
R	1	A or B	With Conditioning No Bridge Taps and No Load Coils Over 12,000 ft	UARN	04QRM.L05		SWYX		AB	
R	1	A or B	With Conditioning No Bridge Taps Under 12,000 ft	UA-T	02QE9.005		SWYX		AB	
<b>LSUSLA (Line Share Unbundled Sub Loop Arrangement) - California Only</b>										
R	1	A or B	No Conditioning	LX- -	02QE9.005		SWXX		AB	
R	1	A or B	With Conditioning No Load Coils and No Bridge Taps Over 12,000 Ft	UARN	04QRM.L05		SWYX		AB	
R	1	A or B	With Conditioning No Bridge Taps Under 12,000 ft	UA-T	02QE9.005		SWYX		AB	2/16/2004



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<b>LINE SPLITTING</b>										
P	1	S	Line Splitting – Splitter by CLEC Non-Conditioned (18,000 FT for NV Only)	UR- -	04QSM.L05		URYX		AB,DB	6/14/2004
P	1	S	Line Splitting – Splitter by CLEC – No Load Coils over 12,000 FT (18,000 FT for NV Only)	URR-	04QSM.L05		URXX		AB,DB	6/14/2004
P	1	S	Line Splitting – Splitter by CLEC – No Load Coils and No Bridge Taps over 12,000 FT (18,000 FT for NV Only)	URRN	04QSM.L05		URXX		AB,DB	6/14/2004
P	1	S	Line Splitting – Splitter by CLEC – No Bridge Taps Over 12,000 ft (18,000 FT for NV Only)	UR-N	04QSM.L05		URXX		AB,DB	6/14/2004
P	1	S	Line Splitting – Splitter by CLEC – No Bridge Taps under 12,000 FT (18,000 FT for NV Only)	URCN	04QSM.L05		URXX		AB,DB	6/14/2004
<b>LINE SPLITTING WITH SUB LOOP</b>										
P	1	B	Splitter by CLEC – No Bridge Tap. Over 12,000 ft	UR-T	02QE9.005		URXX		AB	
P	1	B	Splitter by ILEC.	UR-S	02QE9.005		URXX		AB	
P	1	B	Splitter by CLEC- No Load Coils. Under 12,000 ft	URCS	02QE9.005		URXX		AB	
P	1	B	Splitter by CLEC-No Load Coils and No Bridge Taps. Under 12,000 ft.	URCT	02QE9.005		URXX		AB	
P	1	B	Splitter by CLEC- No Load Coils. Under 18,000 ft.	URRS	02QE9.005		URXX		AB	
P	1	B	Splitter by CLEC- No Load Coils and No Bridge Taps. Under 18,000 ft.	URRT	02QE9.005		URXX		AB	



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<b>FRAME RELAY</b>										
D	2		Frame Relay - 1.544 Mbps (DS1) NNI	HC-O	04DS9.15		QGDA		LB	
D	2		Frame Relay - 1.544 Mbps (DS1) UNI	HC-R	04DS9.15		QGDA		LB	
D	2		Frame Relay - 1.544 Mbps (DS1) NNI/UNI	HCDR	04DS9.1K		QGDA		LB	2/14/2005
D	2		Frame Relay - 1.544 Mbps (DS1) NNI	HCEO	04DS9.1S		QGDA		LB	
D	2		Frame Relay - 1.544 Mbps (DS1) UNI	HCER	04DU9.1SN		QGDA		LB	
D	2		Frame Relay - 1.544 Mbps (DS1) NNI/UNI	HCFR	04DU9.CN		QGDA		LB	
D	2		Frame Relay - 1.544 Mbps (DS1) NNI/UNI	HCGR	04DU9.SN		QGDA		LB	
D	2		Frame Relay - 1.544 Mbps (DS1) NNI/UNI	HCZR	04DU9.DN		QGDA		LB	
D	2		Frame Relay - 45 Mbps (DS3) UNI only	HF-D	04DS6.44		QIDA		LB	
D	2		Frame Relay - 45 Mbps (DS3) UNI only	HFCD	04DS6.44		QIDA		LB	
D	2		Frame Relay - 45 Mbps (DS3) NNI only	HFCE	04DS6.44		QIDA		LB	
D	2		Frame Relay - 128 Kbps FT1 NNI	HXFB	04DS9.1S		QLDA		LB	
D	2		Frame Relay - 128 Kbps FT1 UNI	HXGB	04DS9.1S		QLDA		LB	
D	2		Frame Relay - 256 Kbps FT1 NNI	HXFD	04DS9.1S		QRDA		LB	
D	2		Frame Relay - 256 Kbps FT1 UNI	HXGD	04DS9.1S		QRDA		LB	
D	2		Frame Relay - 384 Kbps FT1 NNI	HXFF	04DS9.1S		QJDA		LB	
D	2		Frame Relay - 384 Kbps FT1 UNI	HXGF	04DS9.1S		QJDA		LB	
D	2		Frame Relay - 56 Kbps (DDS) NNI	XH-R	04DM5.E		QEDA		LB	
D	2		Frame Relay - 56 Kbps (DDS) UNI	XH-G	04DM5.E		QEDA		LB	
D	2		Frame Relay - 64 Kbps (DDS) NNI	XD-R	04DU5.64		QEDA		LB	



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D	2		Frame Relay - 64 Kbps (DDS) UNI	XD-G	04DU5.64		QEDA		LB	



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<b>LOOP SHARE</b>										
F	1	S	2W Loop Sharing Arrangement – Loop Start	URS-	04QSM.L05		URXC		AB,BB	6/14/2004
F	1	S	2W Loop Sharing Arrangement-Ground start	URS-	04QSM.G05		URXC		AB,BB	6/14/2004
F	1	S	2W Loop Sharing digital UNE loop UNDER 12k ft With bridge tap removal - Loop Start	URSN	04QSM.L05		URXC		AB,BB	6/14/2004
F	1	S	2W Loop Sharing digital UNE loop UNDER 12k ft With bridge tap removal - Ground Start	URSN	04QSM.G05		URXC		AB,BB	6/14/2004
F	1	S	2W Loop Sharing digital UNE loop OVER 12k ft With bridge tap removal - Loop Start	LXRN	04QSM.L05		URXC		AB,BB	6/14/2004
F	1	S	2W Loop Sharing digital UNE loop OVER 12k ft With bridge tap removal - Ground start	LXRN	04QSM.G05		URXC		AB,BB	6/14/2004
F	1	S	2W Loop Sharing digital UNE Loop OVER 12k ft With load coil removal - Loop start	URU-	04QSM.L05		URXC		AB,BB	6/14/2004
F	1	S	2W Loop Sharing digital UNE Loop OVER 12k ft With load coil removal - Ground start	URU-	04QSM.G05		URXC		AB,BB	6/14/2004
F	1	S	2W Loop Sharing digital UNE loop OVER 12k ft With bridge tap and load coil removal -Loop start	URUN	04QSM.L05		URXC		AB,BB	6/14/2004
F	1	S	2W Loop Sharing digital UNE loop OVER 12k ft With bridge tap and load coil removal Ground start	URUN	04QSM.G05		URXC		AB,BB	6/14/2004



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TLS										
D	N		10 Mbps Ethernet, Full Duplex, electrical handoff -Basic TLS	KDA-	04LN9.10T	02CXF.10	LOXX	EU - CO	LB	2/13/2006
D	N		10 Mbps Ethernet, Full Duplex, electrical handoff (ERS - Tagged) – <b>TLS</b>	KDE-	04LN9.10T	02CXF.10	LOXX	EU - CO	LB	2/13/2006
D	N		10 Mbps Ethernet, Half Duplex, electrical handoff- <b>Basic TLS</b>	KDB-	04LN9.10T	02CXF.10	LOXX	EU - CO	LB	2/13/2006
D	N		10 Mbps Ethernet, Full Duplex, optical handoff – <b>Basic TLS</b>	KDA-	02LNF.A02	02CXF.10	LOXX	EU - CO	LB	2/13/2006
D	N		10 Mbps Ethernet, Half Duplex, optical handoff – <b>Basic TLS</b>	KDB-	02LNF.A02	02CXF.10	LOXX	EU - CO	LB	2/13/2006
D	N		100 Mbps Ethernet, Full Duplex, electrical handoff – <b>Basic TLS</b>	KEA-	04LN9.1CT	02CXF.100	LVXX	EU - CO	LB	2/13/2006
D	N		100 Mbps Ethernet, Full Duplex, electrical handoff (ERS - Tagged) – <b>TLS</b>	KEE-	04LN9.1CT	02CXF.100	LVXX	EU - CO	LB	2/13/2006
D	N		100 Mbps Ethernet, Full Duplex, optical handoff – <b>Basic TLS</b>	KEA-	02LNF.A02	02CXF.100	LVXX	EU - CO	LB	2/13/2006
D	N		1Gbps Ethernet – <b>Basic TLS</b>	KFL-	02LNF.A02	02CXF.1GE	LUXX	EU - CO	LB	2/13/2006
TLS PAL										
D	N		100 Mbps <b>PAL</b> Electrical handoff - <b>TLS PAL</b>	KEC-	04LN9.1CT	02CXF.100	LVXX	EU - CO	LB	2/13/2006
D	N		1Gbps <b>PAL</b> Optical handoff – <b>TLS PAL</b>	KFM-	02LNF.A04	02CXF.1GE	LUXX	EU - CO	LB	2/13/2006
D	N		1Gbps <b>PAL</b> Optical handoff – <b>TLS PAL</b>	KFM-	02LNF.A07	02CXF.1GE	LUXX	EU - CO	LB	2/13/2006



TOS 2nd Character	TOS 4th Character 1=Non-Design 2=Design N=Normal	LSR SLI	Element	NC Code	NCI Code	SECNCI Code	SCMD	A - Z Location EU - End User CO Central Office	REOTYP	Production Date
TLS CoS										
D	N		Ethernet @ 100 Mbps (Fast Ethernet) With EVC Service Multiplexing - UNI	KEE-	04QB9.1CT	02CXF.100	LVXN	EU - CO	LB	6/12/2006
D	N		Ethernet @ 100 Mbps (Fast Ethernet) With EVC Service Multiplexing - UNI	KEE-	04LN9.1CT	02CXF.100	LVXN	CO - CO	LB	6/12/2006
D	N		Ethernet @ 1000 Mbps (GigE) With EVC Service Multiplexing - UNI	KFE-	02LNF.A02	02CXF.1GE	LUXN	EU - CO	LB	6/12/2006
D	N		Ethernet @ 1000 Mbps (GigE) With EVC Service Multiplexing - UNI	KFE-	02QBF.K02	02CXF.1GE	LUXN	CO - CO	LB	6/12/2006
D	N		100 Mbps Ethernet (LAN), Full Duplex, Electrical Handoff	KEA-	04QB9.1CT	02CXF.100 (EMS) 02CXF.1CE (EMS RT) 02CXF.1CN (ERS untagged)	LVXX	CO - CO	LB	6/12/2006
D	N		100 Mbps Ethernet (LAN), Full Duplex, Electrical Handoff	KEA-	04LN9.1CT	02CXF.100 (EMS) 02CXF.1CE (EMS RT) 02CXF.1CN (ERS untagged)	LVXX	EU - CO	LB	6/12/2006
D	N		1 Gbps Ethernet (LAN), Optical Handoff	KFL-	02QBF.K02	02CXF.1GE (EMS) 02CXF.1GJ (EMS RT) 02CXF.1GN (ERS untagged)	LUXX	CO - CO	LB	6/12/2006
D	N		1 Gbps Ethernet (LAN), Optical Handoff	KFL-	03LNF.A02	02CXF.1GE (EMS) 02CXF.1GJ (EMS RT)	LUXX	EU - CO	LB	6/12/2006
D	2		OC3c UNI	OB-6	02SOF.*	02CXF.A	MGCJ	EU - CO	TB	2/13/2006
D	2		OC3c NNI	OB-P	02QBF.LL	02CXF.A	MGCJ	CO - CO	TB	2/13/2006
D	2		OC3c UNI Port Only	SNDC	02QBF.LL	02CXF.A	MGCY	CO - CO	TB	2/13/2006
D	2		OC3c NNI Port Only	SNEC	02QBF.LL	02CXF.A	MGCY	CO - CO	TB	2/13/2006
D	2		OC12c UNI	OD-6	02SOF.*	02CXF.B	MHCJ	EU - CO	TB	2/13/2006
D	2		OC12c NNI	OD-P	02QBF.LL	02CXF.B	MHCJ	CO - CO	TB	2/13/2006
D	2		OC12c UNI Port Only	SNDD	02QBF.LL	02CXF.B	MHCY	CO - CO	TB	2/13/2006
D	2		OC12c NNI Port Ony	SNED	02QBF.LL	02CXF.B	MHCY	CO - CO	TB	2/13/2006



TOS 2nd Character	TOS 4th Character 1=Non-Design 2=Design N=Normal	LSR SLI	Element	NC Code	NCI Code	SECNCI Code	SCMD	A - Z Location EU - End User CO Central Office	REQTYP	Production Date
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TLS CoS (continued)

\*Requires that the mode (multi, single) and reach factor (short, intermediate, long) be identified by the customer. The options are identified with one of the following option codes: A - ANSI: Long Reach -1, Multi Longitudinal Mode Laser, 1310 nm B - ANSI: Long Reach -1, Single Longitudinal Mode Laser, 1310 nm C - ANSI: Intermediate Reach -1, Multi Longitudinal Mode Laser, 1310 nm D - ANSI: Intermediate Reach -1, Single Longitudinal Mode Laser, 1310 nm E - ANSI: Short Reach -1, Multi Longitudinal Mode Laser/Light Emitting Diode 1310 nm F - ANSI: Short Reach -1, Multi Longitudinal Mode Laser, 1310 nm G - ANSI: Long Reach -2, Single Longitudinal Mode Laser, 1550 nm H - ANSI: Long Reach -3, Multi Longitudinal Mode Laser, 1550 nm J - ANSI: Long Reach -3, Single Longitudinal Mode Laser, 1550 nm K - ANSI: Intermediate Reach -2, Multi Longitudinal Mode Laser, 1550 nm L - ANSI: Intermediate Reach -2, Single Longitudinal Mode Laser, 1550 nm X - Provider Engineered Reach Factor

IMA

D	2		DS1 ATM UNI - 1 T1	YHU1	04DU9.1SN	04CX6.3IM	DHXW	EU - CO	TB	2/13/2006
D	2		DS1 ATM UNI - 2 T1s	YHUA	04DU9.1SN	04CX6.3IM	BBXI	EU - CO	TB	2/13/2006
D	2		DS1 ATM UNI - 3 T1s	YHUB	04DU9.1SN	04CX6.3IM	BCXI	EU - CO	TB	2/13/2006
D	2		DS1 ATM UNI - 4 T1s	YHUC	04DU9.1SN	04CX6.3IM	BDXI	EU - CO	TB	2/13/2006
D	2		DS1 ATM UNI - 5 T1s	YHUD	04DU9.1SN	04CX6.3IM	BEXI	EU - CO	TB	2/13/2006
D	2		DS1 ATM UNI - 6T1s	YHUE	04DU9.1SN	04CX6.3IM	BGXI	EU - CO	TB	2/13/2006

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