



APPENDIX **D**

Manufacturers for Headend Provisioning Requirements

Table D-1 and Table D-2 provide contact information for manufacturers, web sites, and product offerings required to prepare and provision a North American cable headend site for two-way data.

Table D-3 and Table D-4 provide contact information for manufacturers, web sites, and product offerings required to prepare and provision a European cable headend site for two-way data.

Table D-5 provides a list of parts and manufacturers used with the Cisco uBR10-MC5X20S cable interface line card.

North American Channel Plans

Table D-1 *Manufacturers for North American Headend Provisioning Requirements*

Manufacturer ¹	Web Site or Phone Number	Products/Model
Upconverters		
Barco	http://www.barco.com	Gemini
Motorola ²	http://www.gi.com	CDCM2000
Scientific Atlanta	http://www.sciatl.com	Continuum 9860, 9861
Vecima Networks, Inc.	http://www.vecima.com/	HD4040, MA4040
Diplex Filters		
Eagle Comtronics	http://www.eaglecomtronics.com	Diplex filters
Microwave Filter Company, Inc.	http://www.microwavefilter.com	Diplex filters
PCI Technologies	http://www.pci.com	Diplex filters
Viewsonics	http://www.viewsonics.com	Diplex filters
Coaxial Jumpers, Attenuators, Splitters, and Taps		
Viewsonics	http://www.viewsonics.com	Variable attenuators, Comb generators, Cisco uBR kit (splitter, diplex filter, attenuators)
Vecima Networks, Inc.	http://www.vecima.com/	Cisco uBR kit (splitter, diplex filter, attenuators)

Table D-1 *Manufacturers for North American Headend Provisioning Requirements (continued)*

Manufacturer ¹	Web Site or Phone Number	Products/Model
White Sands Engineering, Inc	http://www.whitesandsengineering.com 1 800-jumpers or 602 581-0331	Coaxial jumpers
GPS Receivers		
Agilent ³	http://www.tm.agilent.com	Agilent 85960B, 85961B
Symmetricom	http://www.symmetricom.com	TS2500, TS2700, TS3000

1. The lead times for upconverters can run from 2 to 18 weeks. Contact the upconverter manufacturers listed above for current information on lead times.
2. Formerly General Instrument
3. Formerly Hewlett-Packard Test and Measurement Division.

In addition, Cisco recommends the following manufacturers, web sites, and product offerings for various measurement devices you will need to prepare and provision a North American cable headend site for two-way data.

Table D-2 *Manufacturers for North American Headend Measurement Devices*

Manufacturer	Web Site or Phone Number	Products/Model
Digital Signal Level Meters/QAM Analyzers		
Acterna	http://www.acterna.com	SDA-5000, w/Option 4B
Agilent ¹	http://www.tm.agilent.com	Agilent 8594Q, N1776A
Telsey ²	http://www.telsey.it	DMA120, DMA122
Sencore	http://www.sencore.com	QAM-B970
Sunrise Telecom ³	http://www.sunrisetelecom.com	CR1200R, AT2000RQ
Trilithic	http://www.trilithic.com	860DSP w/Option QA1
Spectrum Analyzers		
Agilent	http://www.tm.agilent.com	Agilent 8591C, N1776A
Tektronics	http://www.tek.com	2715
Sunrise Telecom	http://www.sunrisetelecom.com	AT2000R
Vector Signal Analyzers		
Agilent	http://www.tm.agilent.com	Agilent 89411A

1. Formerly Hewlett-Packard Test and Measurement Division.
2. Formerly Tektronics DMA division
3. Formerly Hukk Engineering and Avatron.

European Channel Plans

Table D-3 Manufacturers for European Headend Provisioning Requirements

Manufacturer ¹	Web Site or Phone Number	Products/Model
Upconverters		
Barco	http://www.barco.com	Gemini
Motorola ²	http://www.gi.com	CDCM2000
Scientific Atlanta	http://www.sciatl.com	Continuum
Vecima Networks, Inc.	http://www.vecima.com/	HD4040, MA4040
Diplex Filters		
Eagle Comtronics	http://www.eaglecomtronics.com	Diplex filters
Microwave Filter Company, Inc.	http://www.microwavefilter.com	Diplex filters
PCI Technologies	http://www.pci.com	Diplex filters
Viewsonics	http://www.viewsonics.com	Diplex filters
Coaxial Jumpers, Attenuators, Splitters, and Taps		
Viewsonics	http://www.viewsonics.com	Variable attenuators, Comb generators, Cisco kit (splitter, diplex filter, attenuators, coax jumpers)
Vecima Networks, Inc.	http://www.vecima.com/	Cisco uBR kit (splitter, diplex filter, attenuators)
White Sands Engineering, Inc	http://www.whitesandsengineering.com 1 800-jumpers or 602 581-0331	Coaxial jumpers
GPS Receivers		
Agilent ³	http://www.tm.agilent.com	Agilent 85960B, 85961B
Symmetricom	http://www.symmetricom.com	TS2500, TS2700, TS3000

1. The lead times for upconverters can run from 2 to 18 weeks. Contact the upconverter manufacturers listed above for current information on lead times.
2. Formerly General Instrument
3. Formerly Hewlett-Packard Test and Measurement Division.

In addition, Cisco recommends the following manufacturers, web sites, and product offerings for various measurement devices you will need to prepare and provision a European cable headend site for two-way data.

Table D-4 Manufacturers for European Headend Measurement Devices

Manufacturer	Web Site or Phone Number	Products/Model
Digital Signal Level Meters/QAM Analysers		
Acterna	http://www.acterna.com	SDA-5000 w/Option 4B
Agilent ¹	http://www.tm.agilent.com	Agilent 8594Q, N1776A
Sunrise Telecom ²	http://www.sunrisetelecom.com	AT2000RQ
Swires Research	http://www.swire.com	TVA 2000-Q
Telsey ³	http://www.telsey.it	DMA121, DMA122
Trilithic	http://www.trilithic.com	860DSP w/Option QA1
Spectrum Analyzers		
Agilent	http://www.tm.agilent.com	Agilent 8591C
Tektronix	http://www.tek.com	2715
Sunrise Telecom	http://www.sunrisetelecom.com	AT2000R
Vector Signal Analyzers		
Agilent	http://www.tm.agilent.com	Agilent 89411A

1. Formerly Hewlett-Packard Test and Measurement Division
2. Formerly Hukk Engineering and Avatron.
3. Formerly Tektronics DMA division

Cisco uBR10-MC5X20S/U Cable Kits and Tools

Table D-5 Cisco uBR10-MC5X20S/U Tool Manufacturers

Manufacturer	Web Site or Phone Number	Products/Model
Belden Electronics division	http://www.belden.com	75-ohm precision miniature video cable
JohnsonComponents	http://www.johnsoncomponents.com	Universal cable holder
White Sands Engineering, Inc	http://www.whitesandsengineering.com	Cable kit (3m MCX to F cables) Cable kit with pre configured cables Cable extraction tool Universal cable holder MCX connector strip tool MCX connector crimper tool MCX fixed pin connector MCX connector to F connector adapter F connector strip tool F connector crimper tool F connectors
Note For a list of part numbers, see the FRU documentation. ¹	1 800-jumpers or 602 581-0331	

1. For Cisco uBR10-MC5X20S/U cable interface line card documentation at the following URL:
<http://www.cisco.com/univercd/cc/td/doc/product/cable/ubr10k/ubr10012/frus/index.htm>