



# APPENDIX **F**

## Manufacturers for Headend Provisioning Requirements

Table F-1 and Table F-2 provide information on some of the manufacturers, websites, and product offerings required to prepare and provision a North American cable headend site for two-way data. Table F-3 and Table F-4 provide information on some of the manufacturers, websites, and product offerings required to prepare and provision a European cable headend site for two-way data.

### North American Channel Plans

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

Manufacturer <sup>1</sup>	Website or Phone Number	Products/Model
<b>Upconverters</b>		
Barco <sup>2</sup>	<a href="http://www.barco.com">http://www.barco.com</a>	Gemini
Motorola <sup>3</sup>	<a href="http://www.gi.com">http://www.gi.com</a>	CDCM2000
Scientific Atlanta	<a href="http://www.sciatl.com">http://www.sciatl.com</a>	Continuum 9860, 9861
Vecima Electronics	<a href="http://www.vecima.com">http://www.vecima.com</a>	HD4040, MA4040
<b>Diplex Filters</b>		
Eagle Comtronics	<a href="http://www.eaglecomtronics.com">http://www.eaglecomtronics.com</a>	Diplex filters
Microwave Filter Company, Inc.	<a href="http://www.microwavefilter.com">http://www.microwavefilter.com</a>	Diplex filters
PCI Technologies	<a href="http://www.atxnetworks.com/">http://www.atxnetworks.com/</a>	Diplex filters
Viewsonics	<a href="http://www.viewsonics.com">http://www.viewsonics.com</a>	Diplex filters
<b>Coaxial Jumpers, Attenuators, Splitters, and Taps</b>		
Viewsonics	<a href="http://www.viewsonics.com">http://www.viewsonics.com</a>	Variable attenuators, Comb generators, Cisco uBR kit (splitter, diplex filter, attenuators)
Vecima Electronics	<a href="http://www.vecima.com">http://www.vecima.com</a>	Cisco uBR kit (splitter, diplex filter, attenuators)
White Sands Engineering, Inc.	<a href="http://www.whitesandsengineering.com">http://www.whitesandsengineering.com</a> 1 800-jumpers or 602 581-0331	Coaxial jumpers

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

Manufacturer <sup>1</sup>	Website or Phone Number	Products/Model
<b>GPS Receivers</b>		
Agilent <sup>4</sup>	<a href="http://www.tm.agilent.com">http://www.tm.agilent.com</a>	Agilent 85960B, 85961B
Symmetricom	<a href="http://www.symmetricom.com">http://www.symmetricom.com</a>	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. The Barco Gemini model upconverter is no longer available or supported by Barco. Note that Barco currently supports the Gemini model stereoscopic projection package that is not related to the previous Gemini upconverter.
3. Formerly General Instrument
4. Formerly Hewlett-Packard Test and Measurement Division.

In addition, Cisco recommends the following manufacturers, websites, 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 F-2** *Manufacturers for North American Headend Measurement Devices*

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

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

# European Channel Plans

**Table F-3** *Manufacturers for European Headend Provisioning Requirements*

Manufacturer <sup>1</sup>	Website or Phone Number	Products/Model
<b>Upconverters</b>		
Barco <sup>2</sup>	<a href="http://www.barco.com">http://www.barco.com</a>	Gemini
Motorola <sup>3</sup>	<a href="http://www.gi.com">http://www.gi.com</a>	CDCM2000
Scientific Atlanta	<a href="http://www.sciatl.com">http://www.sciatl.com</a>	Continuum
Vecima Electronics	<a href="http://www.vecima.com">http://www.vecima.com</a>	HD4040, MA4040
<b>Diplex Filters</b>		
Eagle Comtronics	<a href="http://www.eaglecomtronics.com">http://www.eaglecomtronics.com</a>	Diplex filters
Microwave Filter Company, Inc.	<a href="http://www.microwavefilter.com">http://www.microwavefilter.com</a>	Diplex filters
PCI Technologies	<a href="http://www.atxnetworks.com/">http://www.atxnetworks.com/</a>	Diplex filters
Viewsonics	<a href="http://www.viewsonics.com">http://www.viewsonics.com</a>	Diplex filters
<b>Coaxial Jumpers, Attenuators, Splitters, and Taps</b>		
Viewsonics	<a href="http://www.viewsonics.com">http://www.viewsonics.com</a>	Variable attenuators, Comb generators, Cisco kit (splitter, diplex filter, attenuators, coaxial jumpers)
Vecima Electronics	<a href="http://www.vecima.com">http://www.vecima.com</a>	Cisco uBR kit (splitter, diplex filter, attenuators)
White Sands Engineering, Inc <sup>4</sup> .	<a href="http://www.whitesandsengineering.com">http://www.whitesandsengineering.com</a> 1 800-jumpers or 602 581-0331	Coaxial jumpers
<b>GPS Receivers</b>		
Agilent <sup>5</sup>	<a href="http://www.tm.agilent.com">http://www.tm.agilent.com</a>	Agilent 85960B, 85961B
Symmetricom	<a href="http://www.symmetricom.com">http://www.symmetricom.com</a>	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. The Barco Gemini model upconverter is no longer available or supported by Barco. Note that Barco currently supports the Gemini model stereoscopic projection package that is not related to the previous Gemini upconverter.
3. Formerly General Instrument.
4. Asheridge Communications Limited is the European and Middle Eastern partner for White Sands Engineering and their URL is <http://www.ashcatv.com>.
5. Formerly Hewlett-Packard Test and Measurement Division.

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

Table F-4 Manufacturers for European Headend Measurement Devices

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

1. Formerly Hewlett-Packard Test and Measurement Division.

2. Formerly Hukk Engineering and Avantron.

3. Formerly Tektronics DMA division.