OpenCable™ Specifications

OpenCable Bundle Requirements

OC-SP-BUNDLE1.3-130418

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Document Status Sheet

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Key to Document Status Codes

Work in Progress	An incomplete document, designed to guide discussion and generate feedback that may include several alternative requirements for consideration.
Draft	A document in specification format considered largely complete, but lacking review by Members and vendors. Drafts are susceptible to substantial change during the review process.
Issued	A stable document, which has undergone rigorous member and vendor review and is suitable for product design and development, cross-vendor interoperability, and for certification testing.
Closed	A static document, reviewed, tested, validated, and closed to further engineering change requests to the specification through CableLabs.

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Contents

1   SCOPE

1.1   Introduction and Purpose

This document defines the specifications necessary to create an OpenCable device for BUNDLE1.2.3.

1.2   Requirements

Throughout this document, the words that are used to define the significance of particular requirements are capitalized. These words are:

"SHALL"   This word means that the item is an absolute requirement of this specification.

"SHALL NOT"   This phrase means that the item is an absolute prohibition of this specification.

"SHOULD"   This word means that there may exist valid reasons in particular circumstances to ignore this item, but the full implications should be understood and the case carefully weighed before choosing a different course.

"SHOULD NOT"   This phrase means that there may exist valid reasons in particular circumstances when the listed behavior is acceptable or even useful, but the full implications should be understood and the case carefully weighed before implementing any behavior described with this label.

"MAY"   This word means that this item is truly optional. One vendor may choose to include the item because a particular marketplace requires it or because it enhances the product, for example; another vendor may omit the same item.

2   REFERENCES

This section lists the OpenCable specifications necessary to build an OpenCable device. As new Bundles are released, new versions of this specification will be created to list the Bundle requirements. The version number of this specification corresponds to the release version of the OpenCable Bundle that it describes.

The list below includes Host, OCAP, and all optional extension specifications required to build an OpenCable device; all specifications necessary to build the device are listed whether they have been recently revised or not.

The CableLabs specifications listed below SHALL be used to construct a device compliant to the OpenCable BUNDLE1.3 release.

2.1   Normative References

In order to claim compliance with this specification for the OpenCable Bundle, it is necessary to conform to the following standards and other works as indicated, in addition to the other requirements of this specification. Notwithstanding, intellectual property rights may be required to use or implement such normative references.

[CCCP]   CableCARD Copy Protection 2.0 Specification, OC-SP-CCCP2.0-I13-130418, April 18, 2013, Cable Television Laboratories, Inc.

[CCIF]   CableCARD Interface 2.0 Specification, OC-SP-CCIF2.0-I26-130418, April 18, 2013, Cable Television Laboratories, Inc.

[CDL]   Common Download 2.0, OC-SP-CDL2.0-I13-120531, May 31, 2012, Cable Television Laboratories, Inc.

[HN-MIB]   OpenCable Home Networking MIB Specification, OC-SP-MIB-HN-I07-130418, April 18, 2013, Cable Television Laboratories, Inc.

[HNP]   OpenCable Home Networking Protocol 2.0, OC-SP-HNP2.0-I09-130418, April 18, 2013, Cable Television Laboratories, Inc.

[HN-SEC]   Home Networking Security Specification, OC-SP-HN-SEC-I05-130418, April 18, 2013, Cable Television Laboratories, Inc.

[HOST]   OpenCable Host Device 2.1 Core Functional Requirements, OC-SP-HOST2.1-CFR-I17-130418, April 18, 2013, Cable Television Laboratories, Inc.

[HOST-DVR]   Host 2.X DVR Extension, OC-SP-HOST2-DVREXT-I03-110512, May 12, 2011, Cable Television Laboratories, Inc.

[HOST-HN]   OpenCable Host Home Networking Extension 2.0, OC-SP-HOST-HN2.0-I07-130418, April 18, 2013, Cable Television Laboratories, Inc.

[HOST-MFAT]   Host 2.X Multi-FAT Receiver Extension, OC-SP-HOST2-MFATEXT-I02-110512, May 12, 2011, Cable Television Laboratories, Inc.

[HOST-MIB]   OpenCable Host Device 2.X MIB Specification, OC-SP-MIB-HOST2.X-I14-120531, May 31, 2012, Cable Television Laboratories, Inc.

[HOST-TC]   OpenCable Host Thin Chassis Device Core Functional Requirements, OC-SP-HOSTTC-CFR-I08-130418, April 18, 2013, Cable Television Laboratories, Inc.

[OCAP]   OpenCable Application Platform (OCAP), OC-SP-OCAP1.3-130418, April 18, 2013, Cable Television Laboratories, Inc.

[OCAP-DS]   OCAP Device Settings Extension, OC-SP-OCAP-DS-EXT-I05-120112, January 12, 2012, Cable
                 Television Laboratories, Inc.

[OCAP-DVR]   OCAP Digital Video Recorder (DVR), OC-SP-OCAP-DVR-I08-120112, January 12, 2012, Cable
                 Television Laboratories, Inc.

[OCAP-FP]   OCAP Front Panel Extension, OC-SP-OCAP-FPEXT-I05-110512, May 12, 2011, Cable
                 Television Laboratories, Inc.

[OCAP-HN]   OCAP Home Networking Extension, OC-SP-OCAP-HNEXT-I10-130418, April 18, 2013, Cable
                 Television Laboratories, Inc.

[OC-SEC]   OpenCable System Security Specification, OC-SP-SEC-I08-110512, May 12, 2011, Cable
                 Television Laboratories, Inc.

2.2   Reference Acquisition

- Cable Television Laboratories, Inc., 858 Coal Creek Circle, Louisville, CO 80027;
  Phone +1-303-661-9100; Fax +1-303-661-9199; http://www.cablelabs.com

- Current and past versions of specifications referenced in the OpenCable Bundle Requirements may be obtained
  from CableLabs at http://www.cablelabs.com/opencable/specifications.