

CableLabs®

ETV InterOp

February 22 – 26, 2010

Request For Information

- ETV Applications
- ETV User Agents

January 11, 2010

Responses due January 29, 2010

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Request for Information: ETV InterOp

Objective

In order to ensure interoperable implementations of the ETV Specifications, CableLabs is hosting an Interoperability Event (“InterOp”) to provide vendors an opportunity to test pre-production and development versions of hardware devices and software applications. The InterOp will provide a variety of manufacturers, application developers and implementers an opportunity to work together in CableLabs’ laboratory environment to develop and test interoperable solutions.

CableLabs is currently seeking information from ETV application developers, user agent vendors, and support and test equipment manufacturers that are prepared to bring forward their expertise and participate in the ETV InterOp being hosted by CableLabs in Louisville, CO during the week of February 22 – 26, 2010.

Tentative Schedule:

Monday, February 22:	Arrival, orientation, setup
Tuesday, February 23:	Interoperability among participants
Wednesday, February 24:	Interoperability among participants
Thursday, February 25:	Demonstration Day*
Friday, February 26:	Summarize results, debrief, tear down, travel home

* Demonstration Day: CableLabs may invite cable operators and other guests to attend demonstrations from the Interop. Participants will have the opportunity to showcase their work.

Goals for InterOp

1. ETV Applications:

The goal for ETV application developers is to run applications on multiple ETV user agents across multiple set-top boxes. User Agent developers are encouraged to attend and support the integration of applications on various ETV User Agents. CableLabs will also provide the CableLabs Test ETV User Agent as well as other MSO ETV User Agents if available.

2. ETV User Agents:

ETV User Agent developers are encouraged to participate and support interoperability of the ETV applications that are brought to the interop.

CableLabs will also be running the ETV Test Suite that can be evaluated on any and all ETV User Agents who participate.

3. ETV Specification Feedback and Interoperability Guidelines:

CableLabs uses these interop events to identify areas of the specifications that require clarification and modification. CableLabs will be performing a more rigorous observation process during this interop to identify interoperability issues. The intent is not to evaluate the applications or user agents, but rather to identify areas of ambiguity in the specs and also help to document current interoperability issues (in the form of guidelines) for use by application developers.

Confidentiality

CableLabs may share your responses to this RFI with its member companies. While CableLabs does not intend to share your responses with any other manufacturers or developers, if your response contains confidential information, CableLabs can offer no assurances that the confidentiality of such will be maintained.

Participation in the Interop event will not be confidential. Limited provisions are made to limit the scope of use of certain software and content provided by your company, and other companies participating in the Interop. Execution of Attachment B, *Limited Use of Software and Content in CableLabs Interops*, is a required prerequisite for participating in a CableLabs Interop. By participating in the Cablelabs Interop, you and your company agree to the terms and conditions of Attachment B.

In conjunction with CableLabs' ongoing publicity efforts to grow the application developer community, CableLabs may digitally record certain aspects of this InterOp event. While every effort to maintain your company's proprietary technology will be respected, you may be photographed or videotaped as a participant and may be requested to provide commentary or testimonial remarks. CableLabs may also invite cable operators or members of the industry press to observe the InterOp. While your interaction with these parties is voluntary, CableLabs will not be responsible for maintaining the confidentiality of your participation in the Interop or development efforts.

By participating in this Interop, you agree to the terms herein and you hereby authorize CableLabs to record, use, copy and distribute your participation in the event without payment, duty of accounting, or attribution.

List of Expectations

ETV APPLICATIONS and USER AGENTS

- Applications and User Agents built to an ETV implementation that is consistent with the following specifications:
 - OC-SP-ETV-AM1.0-I04-070921
 - OC-SP-ETV-BIF1.0-I04-070921
 - or
 - OC-SP-ETV-AM1.0-I05-091125
 - OC-SP-ETV-BIF1.0-I05-091125

In order to run an efficient InterOp, CableLabs will collect applications prior to your arrival via FTP site. An application carousel will be constructed in advance.

All participants will be required to sign and return *CableLabs Interop Checkout Checklist* (Attachment C) prior to departure.

Information Requested

Deadline for responses is January 29, 2010.

Please e-mail your responses to Sheila Keller at s.keller@cablelabs.com

Address specific questions to:
Phil Bender (p.bender@cablelabs.com)

The electronic version of this document is available in the “News and Events” area of the OpenCable website: <http://www.opencable.com/news>

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ETV Interop Registration

Please e-mail this page to Sheila Keller: s.keller@cablelabs.com by January 29, 2010:

1. **Company Name:**
2. **Primary Contact:**
3. **Address:**
4. **Email Address:**
5. **Contact names and EMAIL addresses of the company representatives who should be on email distribution list for InterOp:**
6. **Attendees**
Please provide name and contact information for all attendees from your organization. Due to space constraints, CableLabs will limit the number of participants from a given company to a **maximum of three (3)** people per company.

Participant # 1 Name:

Participant # 1 E-mail:

Participant # 2 Name:

Participant # 2 E-mail:

Participant # 3 Name:

Participant # 3 E-mail:

7. **Equipment Needs: PLEASE COMPLETE AND RETURN ATTACHMENT A.**
8. **Limited Use of Software and Content in CableLabs Interop Events:**
Please sign and return this form (Attachment B) if your organization is a first-time participant in a CableLabs Interop Lab Event.

(ATTACHMENT A)
CABLELABS EQUIPMENT INSTALLATION REQUEST

Vendor Equipment power requirements (volts/amps/watts), We typically provide 120VAC, 15 AMPS, any other needs will require negotiations:

Rack/test bench space needed:

Headend connectivity needed (MOT plant, Cisco plant, Conax, Harmonic GbE transport):

CableCARDS required:

Additional materials needed (settops, Monitors, Servers, Computers, availability is limited)

Do you need public IP access *into* the lab? If so, please indicate method.
(Public access *from* the lab is available)

Do you plan to ship equipment in ahead of time? If so, please estimate the size of the shipment. (Shipments should arrive no earlier than Tuesday, February 16, 2010. Vendors are allowed to come into the lab from 8 AM to 5 PM Friday before the InterOp, February 19, for early setup and configuration).

Shipments should be sent to:

CableLabs
Attn: ETV Interop/ Mark Woodworth
858 Coal Creek Circle
Louisville, CO 80027
303-661-9100

ATTACHMENT B

LIMITED USE OF SOFTWARE AND CONTENT IN CABLELABS INTEROP EVENTS

CableLabs offers various opportunities for the cable vendor community to participate in “InterOp” events to demonstrate progress towards compliance with CableLabs specifications, and general interoperability of devices, software, and content on CableLabs-specified platforms.

By its nature, participation in a CableLabs InterOp is *not confidential* to the extent that materials can be publicly viewed and retained in memory. However, participants in the InterOp (“Participants”) may have an interest in preventing other participants (“Other Participants”) from copying or using their software and content (“InterOp Materials”) outside of the context of the InterOp event. (Physical theft of hardware is prohibited under the Rules of Engagement in all CableLabs activities, including InterOp events). Participants are free to license, or otherwise make available, their software and content to each other, or any party, under private agreements as they see fit.

By participating in a CableLabs InterOp, Participant agrees to the following terms and conditions with respect to Participant’s InterOp Material, as well as InterOp Material of Other Participants.

1 Limited License for Participant’s InterOp materials.

- 1.1 **To CableLabs.** Participant hereby grants to CableLabs a non-exclusive, non-transferable, non-sublicensable, royalty-free license to use, copy, and modify any InterOp Materials made available by Participant for the purpose of testing, certification, and interoperability activities conducted by CableLabs at the CableLabs facility.
- 1.2 **To Other Participants.** Participant hereby grants to Other Participants a non-exclusive, non-transferable, non-sublicensable, royalty-free limited license to use and copy any InterOp Materials made available by Participant for the purpose of testing and interoperability activities, but only for the duration of Participant’s participation in any CableLabs-sponsored InterOp event, and only at the CableLabs facility.
- 1.3 **No Warranty.** INTEROP MATERIALS ARE PROVIDED "AS IS" WITHOUT ANY WARRANTIES OR INDEMNITIES OF ANY KIND, EITHER EXPRESS OR IMPLIED. PARTICIPANT HEREBY DISCLAIMS ANY AND ALL WARRANTIES AND INDEMNITIES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NO DAMAGE TO DEVICES OR CORRUPTION OF DATA OR SOFTWARE, OR NONINFRINGEMENT.
- 1.4 **Ownership; No Other License Granted.** As between Participant, CableLabs, and any Other Participant, the InterOp Materials provided by Participant are the exclusive property of Participant, and all right, title and interest shall remain with Participant. Participant grants no rights to any party other than those expressly granted above.

2 Use of Other Participant's InterOp Materials.

- 2.1 Participant agrees that any use of Other Participant's InterOp Materials, if any, is strictly limited to use of such InterOp Materials within the scope of the license granted above by such Other Participants. Specifically, Participant agrees that no use or copying of InterOp Materials of Other Participants is allowed outside of the current Cablelabs InterOp event or outside of the CableLabs facility.
- 2.2 Participant agrees to delete and destroy any tangible copies (including captured streams, copies, CDs, DVDs, etc.) of each Other Participant's InterOp Materials prior to the end of the InterOp event, and not to remove any such copies from the Cablelabs facility.
- 2.3 Participant shall not remove, distort, relocate, resize, or otherwise modify in any way any notices that appear on the InterOp Materials of Other Participants.
- 2.4 Participant shall not reverse engineer, disassemble or decompile the InterOp Materials of Other Participants or alter, modify or enhance the InterOp Materials of Other Participants, in whole or in part.

3 Third party Beneficiaries. Participant agrees that each Other Participant is a third party beneficiary of this Agreement with respect to the InterOp Materials provided by such Other Participant.

4 Limitation of Liability. EXCEPT FOR INTENTIONAL OR WILLFUL BREACHES OF THIS AGREEMENT, NO PARTY SHALL BE LIABLE TO THE OTHER PARTY, OR ANY THIRD PARTY BENEFICIARY FOR ANY INDIRECT, CONSEQUENTIAL, INCIDENTAL, SPECIAL, EXEMPLARY OR PUNITIVE DAMAGES, INCLUDING, BUT NOT LIMITED TO, AMOUNTS REPRESENTING LOSS OF PROFITS, LOSS OF DATA, CORRUPTION OF SOFTWARE, OR LOSS OF BUSINESS OPPORTUNITY, REGARDLESS OF THE LEGAL BASIS OR THEORY OF SUCH CLAIM. AND, EXCEPT FOR INTENTIONAL OR WILLFUL BREACHES OF THIS AGREEMENT, IN NO EVENT SHALL ANY PARTY BE LIABLE TO THE OTHER, OR ANY THIRD PARTY, WITH RESPECT TO ANY CLAIM PERTAINING TO THIS AGREEMENT, IN AN AGGREGATE AMOUNT IN EXCESS OF TEN THOUSAND DOLLARS (\$10,000). THIS SECTION DOES NOT IN ANY WAY LIMIT THE AVAILABILITY OF ANY INJUNCTIVE RELIEF THAT MAY BE SOUGHT AGAINST PARTICIPANT BY CABLELABS OR ANY THIRD PARTY BENEFICIARY UNDER THIS AGREEMENT.

5 Remedies/Injunctive Relief. Among other remedies, breach of this Agreement may result in CableLabs barring Participant from participating in future CableLabs InterOps. In addition, Participant acknowledges that material breach of this Agreement will cause CableLabs, and/or the Third Party Beneficiaries, to suffer immediate and irreparable harm, damage for which money alone cannot fully compensate. Participant therefore agrees that upon such material breach, CableLabs or any Third Party Beneficiary shall be entitled to entry of a temporary restraining order, preliminary injunction, permanent injunction or other injunctive relief, without posting any bond or other security, compelling Participant to comply with the obligations hereunder.

By and on behalf of Participant, the above terms and conditions are agreed to as a condition of participating in the Cablelabs InterOp event.

<p>PARTICIPANT COMPANY NAME: _____</p> <p>Signature: _____</p> <p>Printed Name: _____</p> <p>Title: _____</p> <p>Date: _____</p>

**ATTACHMENT C
CABLELABS INTEROP
CHECKOUT CHECKLIST**

Please check each box below, then sign and return this form to the CableLabs InterOp Coordinator prior to your departure.

Thank you for your participation in the InterOp!

Participant has completed all of the following:

	Returned all CableLabs Visitor / Access Badges
	Removed all vendor-owned equipment and belongings
	Completed InterOp Feedback Form
	Complied with Section 2.2 of CableLabs InterOp Agreement (delete/destroy all tangible copies of Other Participant's software/content)

Company Participant: _____

Signature: _____

Name: _____

Title: _____

Date: _____