

Vendor Submitted Documentation Recommendations

March 12, 2004

This document provides guidance and further explanation for submitting documentation for verification of Plug and Play devices as required under Section 1.4 of the ATP.

- ❑ Documentation naming convention recommendation:

[4 letter company designator] NN X [PICS reference(s)], where NN = CW number, X = model sequence number

e.g. CLAB192_HPPii13.xxx or CLAB193_HPPh6_7.xxx

- ❑ Portable Document Format (.pdf) documents are preferred but any typical electronic document is acceptable, such as .doc, .rtf, .xls, ppt, etc. Use .gz for .zip files.
- ❑ Use English.
- ❑ Each document should state the conclusion clearly – This XXX [software | hardware design, etc.] complies with [PICS reference #] as described above.

Each page should have the following header:

Company Name	UDRD Model Number	Date	PICS reference #
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ATP Table 1.4 with recommendations

<u>ATP Reference</u>	<u>Vendor Supplied Information</u>	<u>PICS Reference</u>	<u>Recommendations</u>	<u>Standard Reference</u>
2.1.3 Host PCMCIA Characteristics Test	Pull-down resistors are used on MCKLO to prevent spurious operation	HPPii.13	Submit a schematic showing the resistor value and connections to pin number 14 of the interface.	ANSI SCTE 28 2001 HOST-POD Interface Standard Section 6.7.5, Step 7
2.1.5 Host Macrovision Test	Proof of Macrovision certification	HACP.2	Submit a copy of the Macrovision certificate.	ANSI SCTE 41 2001 POD Copy Protection System Section 6.1.2 Table 6.1-C
2.2.1 Host-POD Interface Visual Test	The POD connector meets the reliability standards described in Section 7 of PC Card Standard, Volume 3 - Physical Specification	HPPh.6	Provide detailed connector specifications, indicating how the connector satisfies the reliability standards or report from 3 rd party vendor/manufacturer. (e.g. copy of connector data sheet)	EIA-679-B (Part B) National Renewable Security Standard Section A.5.4.5
2.2.1 Host-POD Interface Visual Test	The POD connector meets the durability standards described in Section 8.2 (harsh environment) of PC Card Standard, Volume 3 - Physical Specification	HPPh.7	Provide detailed connector specifications, indicating how the connector satisfies the durability standards or report from 3 rd party vendor/manufacturer. (e.g. copy of connector data sheet)	EIA-679-B (Part B) National Renewable Security Standard Section A.5.4.6
2.2.6 Host MMI Test	Manufacture to supply user instruction script and or user Instructions for user navigation within the MMI resource	DapMi.12	Describe the keys on the remote used to navigate within an MMI message. I.e. EXIT and hyperlink. Screen shots, photos, drawings of buttons would be helpful to illustrate the process.	SCTE 28 2003 HOST-POD Interface Standard Section 8.3.1
2.1.10 Direct Pickup and Radiated Emissions	The UDRD meets the Direct Pick Up requirements.	HMEch.31	Submit complete documentation, including test results, model number, tester, date, interference levels, test equipment used.	47 CFR 15.118 (c)(3)

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2.1.10 Direct Pickup and Radiated Emissions	The UDRD meets radiated emissions	HMech.7	Submit complete documentation, including test results, model number, tester, date, interference levels, test equipment used	47 CFR 76.605 (12)
None	For the manufacturer's first Uni-Directional Cable Receiving Device, Manufacturer agrees to participate with cable operators and cable operator vendors in a digital interface plug fest event.	HDST.15	Submit documentation verifying this model participated in an authorized plugfest, for example, the participation agreement OR registration form (must show model number and plugfest dates.)	Uni-Dir-PICS-I01-030903 PICS
2.1.2 Host-POD Temperature/Average Power Test	The UDRD meets PICS item Hmech.1 manufacture to provide test overview and test results.	HMech.1	<p>Describe test equipment (chamber and probe), which brand, model number, etc. Describe the step by step procedure used. E.g.</p> <ol style="list-style-type: none"> 1. Position of probe with respect to PCMCIA card and connector. 2. Position of ambient temperature probe. 3. Describe chamber settings after POD inserted. 4. Include testing timeline. 5. Provide photos or other documentation demonstrating measured temperatures. 	Uni-Dir-PICS-I01-030903 PICS

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2.2.3 Initialization Error Detection and Handling	Vendor software analysis or other proof of compliance.	HPinit.289	Using flowcharts and/or (pseudo) code, demonstrate that the UDRD orders POD reset if Read Error occurs after completion of data transfer between POD and Host. What happens if one byte less is received when reading data?	SCTE 28 2003 HOST-POD Interface Standard
2.2.3 Initialization Error Detection and Handling	Vendor software analysis or other proof of compliance.	HPinit.290	Using flowcharts and/or (pseudo) code, demonstrate software analysis to satisfy PICS for POD Reset and Error Handling.	SCTE 28 2003 HOST-POD Interface Standard
2.2.3 Initialization Error Detection and Handling	Vendor software analysis or other proof of compliance.	HPinit.291	Using flowcharts and/or (pseudo) code demonstrate how the UDRD handles an invalid session APDU from the POD.	SCTE 28 2003 HOST-POD Interface Standard
2.2.3 Initialization Error Detection and Handling	Vendor software analysis or other proof of compliance.	HPinit.292	Using flowcharts and/or (pseudo) code demonstrate how the UDRD handles an invalid SPDU from the POD.	SCTE 28 2003 HOST-POD Interface Standard
2.2.3 Initialization Error Detection and Handling	Vendor software analysis or other proof of compliance.	HPinit.293	Using flowcharts and/or (pseudo) code demonstrate how the UDRD handles invalid APDU tags from the POD.	SCTE 28 2003 HOST-POD Interface Standard
2.2.3 Initialization Error Detection and Handling	Vendor software analysis or other proof of compliance.	HPinit.294	Using flowcharts and/or (pseudo) code demonstrate how the UDRD ignores transport IDs that have not been created..	SCTE 28 2003 HOST-POD Interface Standard
2.2.3 Initialization Error Detection and Handling	Vendor software analysis or other proof of compliance.	HPinit.295	Using flowcharts and/or (pseudo) code demonstrate how the UDRD ignores session IDs that have not been created	SCTE 28 2003 HOST-POD Interface Standard
2.2.3 Initialization Error Detection and Handling	Vendor software analysis or other proof of compliance.	HPinit.288	Using flowcharts and/or (pseudo) code demonstrate how the UDRD performs a POD reset if a write error occurs after any transfer from the UDRD to the POD.	SCTE 28 2003 HOST-POD Interface Standard

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2.1.6 Host Copy Protection and CCI Test	Vendor submitted documentation to show compliance that the Host was designed and manufactured in a Manner to effectively frustrate attempts to Discover or reveal secrets.	CertMgt.26	Document specific hardware and/or software techniques used to protect secrets.	Uni-Dir-PICS-I01-030903 PICS
2.2.15 In-Band EAS Tests	Vendor submitted documentation to show compliance that the Host was designed and manufactured in a Manner to silently discard cable_emergency_alert() message in accordance with PICS listed.	HNIEAS.11	Use flowcharts, algorithm pseudocode, code snippets, etc., to demonstrate that the cable_emergency_alert() is not processed. Are there any cases when the cable_emergency_alert() is processed?	Uni-Dir-PICS-I01-030903 PICS
2.2.15 In-Band EAS Tests	The Uni-Directional Receiving Device SHALL process multi-lingual alert_text(), and shall choose at most one language for display when text is provided multi-lingually.	HNIEAS.30	Use flowcharts, algorithm pseudocode, code snippets, etc., to demonstrate the UDRD processing of a multi-lingual alert text.	Uni-Dir-PICS-I01-030903 PICS
In-Band Channel Support PICS with no ATP coverage.	Vendor submitted documentation that the Uni-Directional Receiving Device SHALL not be adversely affected by PSIP data rates of 250K bps.	HstlBCS.47 HstlBCS.48 HstlBCS.49	Submit details of test conditions and test streams using examples such as block diagrams, clock rates, etc. indicating that the UDRD can handle the data rates.	Uni-Dir-PICS-I01-030903 PICS
In-Band Channel Support PICS with no ATP coverage.	Vendor submitted documentation that the Uni-Directional Receiving Device SHALL not be adversely affected by the presence of the MPEG descriptors as defined in the PICS item listed in the next column.	HstlBCS.6	Submit code snippet or pseudo code, demonstrating what happens when MPEG registration descriptors are processed. How are MPEG registration descriptors handled?	Uni-Dir-PICS-I01-030903 PICS

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In-Band Channel Support PICS with no ATP coverage.	Uni-Directional Receiving Device SHALL not be adversely affected by the presence of an incorrect service location descriptor in the PSIP TVCT.	HstIBCS.9a	Using a flowchart or code snippet, demonstrate how the UDRD is not affected by an incorrect service location descriptor in the PSIP TVCT.	Uni-Dir-PICS-I01-030903 PICS
In-Band Channel Support PICS with no ATP coverage.	UDRD will not be adversely affected by the presence of discontinuity indicator in adaptation headers in TS packets of the PMT_PID.	HstIBCS.16	Describe where the discontinuity indicator occurs in the TS packets of the PMT_PID. Does the UDRD use or discard this information? What does affect the PMT related processes?	Uni-Dir-PICS-I01-030903 PICS
Digital Audio PICS with no ATP	<p>Vendor submitted documentation that a Uni-Directional Receiving Device with audio decoding capabilities SHALL implement HNETdig_aud.5 and HNETdig_aud.6 and not be not be adversely affected by HNETdig_aud.11</p> <p>Note: PICS items listed in the next column.</p>	HNETdig_aud.5 HNETdig_aud.6 HNETdig_aud.11	<p>HNETdig_aud.5 HNETdig_aud.6</p> <p>Submit acceptance letter from Dolby for the specific UDRD model being certified. Describe test signals, length, parameters, duration, etc. used.</p> <p>For HNETdig_aud.11, do both video and audio work properly during a variety of test streams that include various audio service types?</p>	Uni-Dir-PICS-I01-030903 PICS