DASH Conformance Program 2.0 Policies and Procedures

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This document’s normative language is English. Translation into other languages is permitted.
Abstract

This document describes the policies and procedures that participants of the DASH Conformance Program 2.0 shall follow to obtain Certification. This document also includes the DASH Conformance Program 2.0 Application Agreement, which binds the participants of the Conformance Program to the provisions of these policies and procedures.
CONTENTS

44 Abstract .................................................................................................................. 3
45 1 Overview ............................................................................................................... 6
   1.1 Document purpose and scope ........................................................................ 6
   1.2 Program administration .............................................................................. 6
   1.3 Normative references ................................................................................... 6
   1.4 Terms and definitions .................................................................................. 6
50 2 Policies ................................................................................................................ 8
   2.1 Conformance Test Package ....................................................................... 8
   2.2 Conformance Requirements .................................................................... 8
   2.3 Eligible participants .................................................................................. 9
   2.4 Scope of Conformance Test Results certification ................................... 9
      2.4.1 Specification versions ................................................................. 9
      2.4.2 Product ...................................................................................... 9
      2.4.3 Product Family .......................................................................... 10
      2.4.4 Product versions .................................................................... 10
59 3 Procedures ......................................................................................................... 10
   3.1 Registering for the Program .................................................................... 10
      3.1.1 Company Authorized Contacts ................................................ 11
   3.2 Obtaining the DASH Conformance Test Suite 2016 ............................ 11
   3.3 Testing ...................................................................................................... 11
   3.4 Submission procedures .......................................................................... 11
      3.4.1 Submitting Conformance Test Results for a Tested Product ........... 11
      3.4.2 Submitting “Qualified Product” claims .................................... 12
   3.5 Submission evaluation ............................................................................. 12
   3.6 Conformance Publication process ......................................................... 12
      3.6.1 Publishing Conformance Test Result certifications ..................... 12
      3.6.2 Deleting Conformance Test Result Certification publications .......... 15
   3.7 Public Conformance Claims .................................................................. 15
72 4 Issue Reporting process .................................................................................... 15
   4.1 Overview .................................................................................................... 15
   4.2 Issue Report resolution process .............................................................. 16
   4.3 Resolution of Issue Reports .................................................................. 16
      4.3.1 Interpretations ........................................................................... 17
      4.3.2 Conformance Test Suite Deficiency ...................................... 17
      4.3.3 Conformance Program Deficiency ....................................... 17
   4.4 Issue Report repository ............................................................................ 18
80 5 Appeals process .................................................................................................. 18
81 6 Confidentiality .................................................................................................. 19
   6.1 Disclosure of Certification information ................................................... 19
   6.2 Optional confidential treatment of Certification information .................. 19
84 7 DASH Conformance 2.0 Program updates ..................................................... 20
85 ANNEX A DASH Conformance Requirements ............................................. 21
86 ANNEX B DASH Conformance Test Suite 2016 Scope ............................ 23
87 ANNEX C DASH Conformance Program 2.0 Application Agreement ........ 24
88 DASH Conformance Program 2.0 Application Agreement .......................... 30
89 ANNEX D DASH Conformance Program 2.0 Fee Schedule ..................... 33
90 ANNEX E DASH Conformance Program 2.0 Product Submission Form .... 34
Tables

Table 1 – Terms and definitions ..................................................................................................................... 7
Table 2 – Certification Registry Entry: Conformance Test Result submission ........................................... 13
Table 3 – Certification Registry Entry: Certification record ......................................................................... 14
DASH Conformance Program 2.0 Policies and Procedures

1 Overview

1.1 Document purpose and scope

Desktop and mobile Architecture for System Hardware (DASH) is a manageability initiative of the Distributed Management Task Force, Inc. (DMTF). The Initiative is described at http://www.dmtf.org/standards/mgmt/dash. The technical requirements of DASH 1.0 are specified in DSP0232, DASH Implementation Requirements 1.0; DASH 1.1 are specified in DSP0232, DASH Implementation Requirements 1.1; DASH 1.2 are specified in DSP0232, DASH Implementation Requirements 1.2. The System Management Forum (SMF), a forum within the DMTF, has developed a DASH Conformance Program 2.0 (the Program) that certifies DASH 1.0, DASH 1.1 and DASH 1.2 supported products.

The elements of the Program include a synchronized set of Implementation Requirements Specifications, a Conformance Test Suite, a registry of Certified Test Results of products that have demonstrated conformance to Specifications, and processes and documentation that support these elements.

This document describes the policies and procedures of the DASH Conformance Program 2.0 referenced by the DASH Conformance Program 2.0 Application Agreement. By executing the DASH Conformance Program 2.0 Application Agreement, participants in the Program agree to abide by the provisions of these policies and procedures.

1.2 Program administration

The DASH Conformance Program 2.0 is operated by the DMTF. The DMTF contracts with an independent third party to manage the DASH Conformance Program 2.0 as Conformance Program Administrator (Program Administrator). The Program Administrator is the Participant's DMTF contact for all applications, submissions, questions, correspondence, and general administration for the DASH Conformance Program 2.0. The Program Administrator is responsible for maintaining applicant confidentiality in all phases of the Program as defined by these policies and procedures.

1.3 Normative references

The following referenced documents are indispensable for the application of this document. For dated or versioned references, only the edition cited (including any corrigenda or DMTF update versions) applies. For references without a date or version, the latest published edition of the referenced document (including any corrigenda or DMTF update versions) applies.


1.4 Terms and definitions

In this document, some terms have a specific meaning beyond the normal English meaning. Those terms are defined in this clause. The terms "shall" ("required"), "shall not," "should" ("recommended"), "should not" ("not recommended"), "may," "need not" ("not required"), "can" and "cannot" in this document are to be interpreted as described in ISO/IEC Directives, Part 2, Annex H. The terms in parentheses are alternatives for the preceding term, for use in exceptional cases when the preceding term cannot be used for linguistic reasons. Note that ISO/IEC Directives, Part 2, Annex H, specifies additional alternatives. Occurrences of such additional alternatives shall be interpreted in their normal English meaning.
Table 1 defines terms used in this document. Abbreviations are provided in parentheses.

### Table 1 – Terms and definitions

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agreement</td>
<td>This document when accepted and signed by the Applicant, the DMTF, and the DMTF Conformance Program Administrator</td>
</tr>
<tr>
<td>Applicant</td>
<td>A Company applying for Conformance Test Result Certification under this Program</td>
</tr>
<tr>
<td>Certification</td>
<td>The acknowledgment by the Conformance Program Administrator that a validation has been completed for a Conformance Test Result Submission, and that the Conformance Requirements, including the Application and applicable fees, have been met</td>
</tr>
<tr>
<td>Certification Registry</td>
<td>The formal record of each DMTF Conformance Program and Certified Conformance Test Result Submission, maintained in electronic and documentary form by the DMTF and made publicly available at the DMTF Web site (<a href="http://www.dmtf.org">www.dmtf.org</a>)</td>
</tr>
<tr>
<td>Certified Submission</td>
<td>A Submission for which the Program Administrator has validated, evaluated, and certified Conformance Test Results and issued written notice to the Applicant of successful Conformance Testing completion</td>
</tr>
<tr>
<td>Conformance</td>
<td>The fulfillment of a product, process, or service of specified requirements</td>
</tr>
<tr>
<td>Conformance Program (CP), or Program</td>
<td>The DMTF DASH Conformance Program 2.0</td>
</tr>
<tr>
<td>Conformance Program Deficiency (CPD)</td>
<td>An acknowledged error in the Conformance Program that inhibits the certification process. The Conformance Program includes both the certification process and information about how to begin conformance testing. A Conformance Program Deficiency is one possible outcome of an Issue Report.</td>
</tr>
<tr>
<td>Conformance Requirements</td>
<td>A definition of the mandatory and optional behavior a Submission shall implement in order to be considered conformant. The Conformance Requirements are included in DSP0232, DASH Implementation Requirements 1.0; DSP0232, DASH Implementation Requirements 1.1; DSP0232, DASH Implementation Requirements 1.2.</td>
</tr>
<tr>
<td>Conformance Test Package</td>
<td>A Conformance Test Package is a binary image or archive file that contains executable tests and other files for configuring, running, and interpreting those tests. The Conformance Test Package contains the Conformance Test Suite.</td>
</tr>
<tr>
<td>Conformance Test Result Submission</td>
<td>A Test Suite-generated file of Product Conformance Test results that the Applicant sends to the DMTF for Certification. It contains the Applicant’s precise, detailed description of how and in what environment the Conformance Requirements were tested.</td>
</tr>
<tr>
<td>Conformance Test Suite (CTS)</td>
<td>A tool licensed under the DMTF Conformance Program to the Applicant for use in testing a Product and generating a Submission</td>
</tr>
<tr>
<td>DMTF</td>
<td>The Distributed Management Task Force, Inc., a not-for-profit corporation formed under I.R.C. Section 501(c)(6), and Oregon law</td>
</tr>
<tr>
<td>Eligibility Requirements</td>
<td>The set of requirements that a company shall meet in order to register and participate in the Conformance Program. Companies that meet the Eligibility Requirements are referred to as Eligible Participants.</td>
</tr>
<tr>
<td>Fee Schedule</td>
<td>The “Schedule of Fees” contained in ANNEX D</td>
</tr>
<tr>
<td>Interpretation (INT)</td>
<td>A decision made by the DMTF that elaborates or refines the meaning of a Conformance Requirement. An Interpretation is one possible outcome of an Issue Report.</td>
</tr>
<tr>
<td>Term</td>
<td>Definition</td>
</tr>
<tr>
<td>------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Issue Report (IR)</td>
<td>A formal written report that requests clarification of or questions the intent or correctness of a Conformance Requirement, the Conformance Test Suite, or the Conformance Program itself. A written question along with any supporting details and/or documents addressed to the Program Administrator requesting clarification, intent, or correctness of a Specification, a Test Suite, or the Conformance Program Policies and Procedures.</td>
</tr>
<tr>
<td>Participant</td>
<td>An Applicant that has been approved to participate in the Conformance Program.</td>
</tr>
<tr>
<td>Authorized Contacts</td>
<td>The person in the Participant company who is authorized by the company to make Program-related decisions for the company. The Program Administrator accepts Program-related information and decisions from these persons only.</td>
</tr>
<tr>
<td>Product</td>
<td>Any desktop or mobile system sold by the Applicant that qualifies for Conformance Testing and Conformance Test Result Certification per the Conformance Program Policies and Procedures. Applicant's Products being tested pursuant to this Application Agreement are identified in ANNEX E, “Applicant Submission Information”.</td>
</tr>
<tr>
<td>Program Administrator (PA)</td>
<td>The DMTF-appointed entity for administering the conformance program as described in 1.2, “Program administration”.</td>
</tr>
<tr>
<td>Specification Authority (SA)</td>
<td>The party responsible for developing, maintaining, and interpreting the Specifications.</td>
</tr>
<tr>
<td>Submission</td>
<td>A Participant request for Certification of Conformance Test Results for a Tested Product and any other Products the Participant claims are conformant per the same Results.</td>
</tr>
<tr>
<td>Test Suite Authority (TSA)</td>
<td>The entity responsible for developing and maintaining the Conformance Test Suite and for confirming defects in the Conformance Test Suite reported as issues by Program Participants. For the DASH Conformance Program 2.0, the TSA is comprised of Leadership level members of the System Management Forum.</td>
</tr>
</tbody>
</table>

2 Policies

2.1 Conformance Test Package

Each Conformance Test Package distributed by the Conformance Program is labeled with a version number. The term “Conformance Test Suite” used in the process descriptions that follow refers to the version of tests and test input files in a particular Conformance Test Package version.

2.2 Conformance Requirements

The Conformance Requirements are rules established and used by the DMTF to evaluate the results of execution of the Conformance Test Suite (see 3.5, “Submission evaluation”). The Conformance Requirements include statements that relate the results of one or more CTS tests to a result of “pass” or “fail” for a submission.

The following policies govern the Conformance Requirements under the Program:

- Conformance tests of the Conformance Test Suite verify correctness for all mandatory clauses, for all conditional clauses for which the condition is true, and for all optional clauses that are implemented by the Tested System against DASH 1.0 or DASH 1.1 or DASH 1.2 specifications.
- Non-normative statements and clauses in profile specifications (for example, “Use Cases” clauses) are not tested.
Conformance Test Suite can be configured to test Requirements of DASH 1.0 specification or DASH 1.1 specification or DASH 1.2 specification, and no additional requirements are imposed.

The testing is restricted to interactions through the Management Access Point (or MAP).

- Functional testing is not performed (for example, values reported by the MAP, such as temperature or RPM, are not tested for correctness on the Tested System).
- Only testable functionality through the MAP is tested. For instance, behavior in case of errors or failure is not tested if errors or failure cannot be provoked through the MAP.

A copy of the Conformance Requirements is included in the Conformance Test Package.

All submissions of results from a versioned Conformance Test Package, as described in 2.1, are evaluated using the Conformance Requirements that are distributed with that Conformance Test Package.

The SMF may periodically update the Conformance Requirements and create a new Conformance Test Package (with a new version number), as described in clause 7, “DASH Conformance Program updates”.

The DASH Conformance Test Suite 2016 is the first conformance test authorized by the DMTF and is modified only if required as a result of the DMTF Conformance Program 2.0 Appeals process. The latest DASH Conformance Requirements are maintained as an Annex in this policies and procedures document (see ANNEX A).

2.3 Eligible participants

Any company that wants to participate in the DASH Conformance Program 2.0 under the terms stated in the DASH Conformance Program 2.0 Application Agreement is welcomed to participate. Program Fees are levied based on the company’s membership status in DMTF and its System Management Forum (SMF). Companies not currently members of DMTF and companies that are currently DMTF members but not members of the SMF pay Application and Per-Product fees as described in the Fee Schedule (ANNEX D). DMTF SMF members have all or part of their fees included in SMF membership dues. For fees not included in DMTF SMF membership dues, see the Fee Schedule (ANNEX D).

2.4 Scope of Conformance Test Results certification

The object of the DASH Conformance Test Suite 2016 is a Tested System. Conformance Test Results for a Tested System are associated by the Vendor to a Vendor’s Product.

Certification is granted only for test results of “provider” or “server-side” implementations (for conformance to DASH 1.0 or DASH 1.1 or DASH 1.2) — that is, implementations that are managed through a Manageability Access Point (MAP). Conformance testing and certification of test results is not currently performed on “client-side” implementations (for example, management consoles). Certification of test results is not granted on an individual profile basis.

2.4.1 Specification versions

DASH Conformance Test Suite 2016 can certify a test system for only DASH 1.0 or DASH 1.1 or DASH 1.2 conformance. One has to provide the appropriate initiative information when running the DASH Conformance Test Suite v2.0 to obtain Conformance Test Results for a specific supported DASH initiative.

2.4.2 Product

The Tested System may be a Vendor’s desktop, mobile, or other system Product, or may contain the Vendor’s Product as a component. Conformance Test Suite results describe the performance of the Tested System; therefore, the information that the Vendor includes in the Submission shall contain sufficient information for customers of the Product to understand the configuration of the Tested System.
2.4.3 Product Family

The DASH Conformance Program 2.0 allows the Vendor to relate Conformance Test Results for a Tested System to one or more Products or Product Families. By including additional Products or Product Families in the Conformance Test Results file, the Vendor claims that the identified Conformance Test Results obtained for the Tested System apply to all Products and the Product Families listed in the Submission. The validity of the application of the Conformance Test Results of the Tested System to the Vendor’s Products is the responsibility of the Vendor.

2.4.4 Product versions

The DASH Conformance Program 2.0 allows the Vendor to update published Certifications of test results when there are changes in the related Product or Product Family version. By modifying the version designation for a Vendor’s Product or a Product Family in the Certification Registry, the Vendor claims that the results obtained for the Tested System apply to the new version of the Product or the Product Family listed in the Certification Registry entry. The validity of the application of the Conformance Test Results of the Tested System to the new versions of the Vendor’s Products is the responsibility of the Vendor.

3 Procedures

3.1 Registering for the Program

To participate in the DASH Conformance Program 2.0, a company registers its interest to participate in the Program by submitting an Application Agreement. Each company submits only one Agreement for the DASH Conformance Program 2.0. Then, as long as the company remains qualified to participate, the company may submit test results and claims for its products using the Program Policies and Procedures.

To apply (register) to participate in the DASH Conformance Program 2.0, an applicant shall do one of the following:

1) Mail or Email or Fax a signed Application Agreement to the Program Administrator of System Management Forum, using the address or email address or fax number listed in the Application Agreement.

2) Electronically submit application agreement available at Application Agreement.

The Program Administrator performs the following tasks:

1) Review the request to make sure it includes the required information.

2) Record the Application in a list of Applications received.

3) Send the Conformance Test Package (including information and tools needed to complete the testing process) to the Participant, including:

   • The Conformance Program Policies and Procedures

   • The Conformance Test Suite

   • The Conformance Requirements that the SMF uses for evaluating the results

   • Instructions for running the tests and submitting results

   • Instructions for submitting questions and appealing results

4) If the Participant completes the Testing Process and the Submission Process as described in this document, following the instructions included in the Conformance Test Package, the Program Administrator records successful demonstration of compliance.
3.1.1 Company Authorized Contacts

The Participant is allowed to name up to two Authorized Contacts for the Program. Authorized Contacts are authorized by the participating company to make program-related decisions for the company, such as submit test results, submit Submission Forms, raise program Issues, and give publication authorizations.

The Program Administrator may reject any company request that is in conflict with a request or submission made previously by another Company Authorized Contact until the Program Administrator is satisfied that all Authorized Contacts are in agreement with the request content.

3.2 Obtaining the DASH Conformance Test Suite 2016

The DASH Conformance Test Suite 2016 may be downloaded from the Conformance Program Web site (www.dmtf.org). The DASH CTS 2016 is available for limited use by participating and non-participating companies; however, only companies who are registered as Program Participants may publish results. Refer to the "Terms of Use" on the download page.

3.3 Testing

The Participant runs the Conformance Test Suite, according to the instructions provided, on a Product, and then follows the Submission Process.

Instructions for running the tests are included in the Conformance Test Package and may vary from version to version. The Participant shall return test results without modifying any of the information generated by the test. If the Participant finds problems with the test and wants to contest the results, the Participant shall follow the Appeals Process (see clause 5).

After executing the test, the Participant determines whether to complete the Submission Procedures (see clause 3.4).

3.4 Submission procedures

3.4.1 Submitting Conformance Test Results for a Tested Product

The Participant collects information created by the test (according to the instructions provided) and shall send the information to the Program Administrator by one of the following

1) Mail the results of the test and a copy of the product Submission Form included in ANNEX E. The Participant’s completed Submission Form contains required information about the Product.

2) Electronically submit the same at Product Submission form

The Program Administrator validates the test results file, checks the digital signature applied by the test suite, and evaluates the results file content according to the Program Conformance Requirements. If all Submission Evaluation criteria are met, the Program Administrator assigns a Certification Identifier to the Conformance Test Results, archives the results file, and sends a Test Result Certification Notice that includes the Certification Identifier to the Participant.

At the time of Submission, the Participant shall include a Qualification that describes the Product’s management feature that is required for the Tested System to meet the Conformance Requirements. Also, at the time of Submission, the Participant may claim that the Conformance Test Results apply to another Product offered by the Participant that also requires the same management feature described in the Qualification.
3.4.2 Submitting “Qualified Product” claims

The Participant may submit additional claims for “Qualified Products” for previously submitted and certified Conformance Test Results. Any Product that shares the same Qualification and is warranted by the Participant to meet the Conformance Requirements may be added to an existing Test Result Certification by submitting a new Submission Form and including the Certification Identifier of the applicable Conformance Test Results.

3.5 Submission evaluation

The Program Administrator reviews the information returned and determines whether the information indicates that the Participant has demonstrated that the Tested Product is conformant. The criteria for this determination are the Conformance Requirements, which are sent to the Participant as a result of Registration.

The Program Administrator sends a notification to the Participant describing the results of the review and stating the SMF determination as to whether the Tested Product demonstrates conformance.

If the Program Administrator determines that the Product demonstrates conformance, the Program Administrator completes the Conformance Publication Process (see clause 3.6), unless the Participant requested no conformance publication in the Application Agreement.

The Participant reviews the determination. If the Participant believes that the determination is incorrect, the Participant completes the Appeals Process (see clause 5).

3.6 Conformance Publication process

The Program Administrator performs the steps of the Publication process. The Program Administrator informs the SMF chairs about Submissions for Products that demonstrate conformance.

3.6.1 Publishing Conformance Test Result certifications

In addition to test results data, the Conformance Test Results file contains vendor-supplied product data that describe the Tested System, the Product, and other data that relate the results to other vendor information, such as the Product Family and vendor contact information.

Because all of the product data is vendor-supplied, the vendor is responsible for the accuracy and validity of the data.

When the Conformance Test Results file is received as part of a Submission, validated, and certified by the Program Administrator, a record is created in the Conformance Program’s Certification Registry located on a DMTF server.

Publication (creation of a DMTF Certification Registry entry) is done only after receipt of any applicable Conformance Program Application and/or Submission fees.

Published Certification Registry entries may be removed from publication at any time (see 3.6.2).

3.6.1.1 Certification Registry contents

For each submitted Conformance Test Results file, a Submission entry is created. The Submission is identified by an assigned, unique Submission identifier.

One Certification Record is created for each Product for which a Conformance Test Result file applies. A Certification Identifier is assigned to each Certification Record. For Products that are Tested Products (that is, a submitted Conformance Test Result file was generated from testing of the Product), the entry is
noted as a “Tested Product” entry. Any Product associated with a Conformance Test Result by the Vendor is noted as a “Qualified Product” and is referred to as a “Qualified Product” entry.

The Certification Registry contents are described in Table 2 and Table 3.

Table 2 – Certification Registry Entry: Conformance Test Result submission

<table>
<thead>
<tr>
<th>Field (All values are strings)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submission Identifier</td>
<td>Assigned by the Program Administrator</td>
</tr>
<tr>
<td>Vendor information (Vendor-supplied)</td>
<td>None</td>
</tr>
<tr>
<td>Vendor Name</td>
<td>None</td>
</tr>
<tr>
<td>Tested Product data (Vendor-supplied)</td>
<td>None</td>
</tr>
<tr>
<td>Product</td>
<td>None</td>
</tr>
<tr>
<td>Product Type:</td>
<td>Describes the Product: System indicates that the Product is a stand-alone, integrated system. Component indicates that the Product provides MAP functionality in the Tested System.</td>
</tr>
<tr>
<td>Name</td>
<td>None</td>
</tr>
<tr>
<td>Model number</td>
<td>None</td>
</tr>
<tr>
<td>Version</td>
<td>None</td>
</tr>
<tr>
<td>Other Model info (vendor-supplied)</td>
<td>None</td>
</tr>
<tr>
<td>Qualification</td>
<td>Describes the Vendor-defined management feature required that allows the Product to meet the Conformance Requirements</td>
</tr>
<tr>
<td>Product Family</td>
<td>None</td>
</tr>
<tr>
<td>Identification / Name / Designation for the Product Family</td>
<td>None</td>
</tr>
<tr>
<td>List of qualified members of the Product Family</td>
<td>None</td>
</tr>
<tr>
<td>Name</td>
<td>None</td>
</tr>
<tr>
<td>Model number</td>
<td>None</td>
</tr>
<tr>
<td>Model Version</td>
<td>None</td>
</tr>
<tr>
<td>Tested System Configuration</td>
<td>None</td>
</tr>
<tr>
<td>Managed System Type:</td>
<td>Describes the Tested System: System – Stand-alone, integrated system Simulation – MAP is managing a simulated system Proxy – MAP resides on a physically separate system Other – Vendor-supplied string (next field)</td>
</tr>
<tr>
<td>Other: &lt;string&gt;</td>
<td>None</td>
</tr>
<tr>
<td>Hardware environment (Systems, Cards, Features/Options, etc.)</td>
<td>None</td>
</tr>
<tr>
<td>HW Component 1:</td>
<td>None</td>
</tr>
</tbody>
</table>
### Table 3 – Certification Registry Entry: Certification record

<table>
<thead>
<tr>
<th>Field (All values are strings)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certification Identifier</td>
<td>None</td>
</tr>
<tr>
<td>Certification Type</td>
<td>None</td>
</tr>
<tr>
<td>(Tested Product or Applied Results)</td>
<td>Indicates whether this record describes a Product that has submitted results or a Product that was associated by applying results based on the Qualification</td>
</tr>
<tr>
<td>Submission Identifier</td>
<td>None</td>
</tr>
<tr>
<td>Certification Identifier</td>
<td>None</td>
</tr>
<tr>
<td>Vendor information</td>
<td>None</td>
</tr>
<tr>
<td>(Vendor-supplied)</td>
<td>None</td>
</tr>
<tr>
<td>Vendor Name</td>
<td>None</td>
</tr>
<tr>
<td>Product data (Vendor-supplied)</td>
<td>None</td>
</tr>
<tr>
<td>Product</td>
<td>None</td>
</tr>
<tr>
<td>Product Type:</td>
<td>None</td>
</tr>
<tr>
<td>[ System</td>
<td>Component ]</td>
</tr>
<tr>
<td>Name</td>
<td>None</td>
</tr>
<tr>
<td>Model number</td>
<td>None</td>
</tr>
<tr>
<td>Version</td>
<td>None</td>
</tr>
<tr>
<td>Other Model info (vendor-defined)</td>
<td>None</td>
</tr>
</tbody>
</table>
### 3.6.2 Deleting Conformance Test Result Certification publications

For the DASH Conformance Program 2.0, Participants may remove a Product’s listing from the DMTF Web pages that publish certified test results by contacting the Program Administrator by email to request the removal. (The Program Administrator’s email address is included in the DASH Conformance Program Policy and Procedures returned to the Applicant at Registration.) Only the Participant’s Authorized Contact is allowed to request removal of published certified results.

### 3.7 Public Conformance Claims

Participants are prohibited from making any Public Conformance Claims until they have been contacted by the Conformance Program Administrator that their submission(s) have been validated, certified, and published on the DMTF Certification Registry. Once Participants have been contacted by the Conformance Program Administrator that their submission(s) has been validated, certified, and appear on the DMTF Certification Registry, they may make Public Conformance Claims related to the applicable conformance program and/or test suite(s). Participants are strongly encouraged to reference the DMTF Certification Registry as part of their Public Conformance Claim.

### Conformance Program Naming Conventions

- DASH Conformance Program 2.0
- DASH Conformance Test Suite 2016 or DASH CTS 2016

### Conformance Claim Examples

- “Product X meets the requirements of the DASH Conformance Program 2.0.”
- “Product X is certified under the DASH Conformance Program 2.0.”
- “Product X conforms to the DASH Conformance Test Suite 2016.”
- “Product X conforms to the DASH CTS 2016.”

### 4 Issue Reporting process

#### 4.1 Overview

At any point during the Program, a Participant may encounter an Issue that inhibits the test result certification effort. The Participant may file an Issue Report by email to the Program Administrator to obtain resolution of the issue. The Program Administrator is the sole contact with the Participant for issue reporting, though others will be involved in determining the resolution.

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**Table:**

<table>
<thead>
<tr>
<th>Field (All values are strings)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Family</td>
<td>None</td>
</tr>
<tr>
<td>Identification / Name / Designation for the Product Family</td>
<td>None</td>
</tr>
</tbody>
</table>
The types of issues that may be reported include:

- Potential errors or ambiguities in the Conformance Requirements or the underlying standards referenced by the DASH Conformance Requirement specifications

- Potential deficiencies in the Conformance Test Suites used to assess Conformance Requirements or other test suites referenced by the Program (if any)

- Possible process errors in the Program, specifically related to the registration process, agreements, and general Program issues

The Issue Report is used specifically for the preceding types of errors that are inhibiting the test result certification effort. For general questions about the test result certification process, running the test suites, or other issues, the Program Administrator will provide assistance on obtaining further information.

### 4.2 Issue Report resolution process

The Program Administrator is responsible for reviewing and providing a resolution to all Issue Reports. The key element of the review process is a deterministic process for a formal resolution to the Issue Report.

A preliminary review is performed by the Program Administrator, and an initial response is provided to the Participant within 10 business days of the Issue Report submission. This review allows simple issues to be dealt with expeditiously. A detailed review is undertaken for issues that are more complicated or when the preliminary review does not resolve the issue. Final resolution is provided as soon as possible.

In most cases, 20 business days is sufficient to provide a final Issue Report. However, in exceptional circumstances, final resolution may take longer. If possible, the Issue Report is addressed sufficiently within the 20 business days to allow the test result certification process to proceed pending final resolution.

If the Participant is not satisfied with the final resolution, the Participant may invoke the Appeals Process.

The Issue Report resolution process allows the Participant to remain anonymous, so pre-certification activity is kept entirely confidential, that is, between the Participant and the Program Administrator. The anonymous review process requires the Program Administrator to filter requests before distribution. Filtering removes as much identifying information as possible from the Submission, including the identifier and the Participant company information. However, the Conformance Test Results may contain content that uniquely identifies the Participant. If the Participant wants to maintain the confidentiality of that information, the Participant shall supply new Conformance Test Results, removing the confidential information while maintaining the same functionality of the original submission-identifying strings or other confidential information. If Participant-specific information is included in the clauses reserved for the technical descriptions, filtering will not produce an anonymous request.

In order for the Program Administrator to resolve Issue Reports for issues related to the test suites, an opinion from the Test Suite Authority is required. Likewise, for Issue Reports related to the Conformance Program, the Program Administrator requires an opinion from the Program Sponsor.

### 4.3 Resolution of Issue Reports

The possible outcomes for Issue Report resolution are as follows:

- Accepted as an error or ambiguity in the specifications (requiring an Interpretation or INT)
- Accepted as an error in a test suite (a CTS Deficiency)
- Accepted as an error in the Conformance Program (CP Deficiency)
- Rejected
Interpretations, CTS Deficiencies, and CP Deficiencies never cause previously Certified Test Result Submissions to be “uncertified”. Interpretations, CTS Deficiencies, and CP Deficiencies can cause the definition of Conformance to evolve over time. Subsequent Participant Submissions are always required to conform to the current Conformance Requirements.

### 4.3.1 Interpretations

An Interpretation elaborates or refines the meaning of a Specification, thereby clarifying an error or ambiguity in the DMTF Specification. Interpretations apply to a specific version of a Specification and are permanent against that version. They remain in force until the Specification is updated, at which time the elaboration or refined meaning should be incorporated into the updated version of the Specification.

Interpretations of Specifications never result in behavior that was previously considered to be conformant being declared non-conformant at a given revision level of the Specification. However, Interpretations may cause a change in a future release of a Specification that will prohibit behavior previously considered acceptable. Interpretations can only result in behavior that was previously considered to be non-conformant being declared to be conformant.

The DMTF is responsible for deciding the meaning of conformance to normative referenced Specifications in the DASH Conformance Program v2.0.

### 4.3.2 Conformance Test Suite Deficiency

A Conformance Test Suite Deficiency is an acknowledged error in a test suite. A Conformance Test Suite Deficiency applies to a specific version of a test suite and is permanent against that version. The Deficiency remains in force until the test suite is updated, at which time the error should be fixed in the updated test suite. If the Test Suite Authority decides not to fix a Conformance Test Suite Deficiency in the updated test suite, the Test Suite Authority submits a new Issue Report and assigns it as a Conformance Test Suite Deficiency against the new test suite version,flagging the Conformance Test Suite Deficiency as a re-issue.

In all circumstances, the complete test suite or set of test suites shall be run during formal testing. The existence of any Conformance Test Suite Deficiency with respect to a test suite does not absolve a Participant from running the test in question, or any part thereof.

#### 4.3.2.1 Provisional Test Result Certification due to CTS Deficiency

After the Test Suite Authority has acknowledged a Deficiency, the Participant may request a Waiver for the CTS test item that is failing due to the Deficiency. If the Waiver removes the last test failure preventing certification of the Test Results, the DMTF grants a Provisional Certification for the Test Results pending update of the test suite. The Participant’s Submission may be published on the Conformance Program Web site with an indication that the Test Result Certification is Provisional. The Provisional Test Result Certification remains in effect until an updated Test Suite is available that contains the correction. At that time, the Participant has 30 business days in which to re-test with the updated Test Suite and submit new test results for certification. If the Participant does not submit new test results within 30 business days following test suite availability, the Provisional Test Result Certification is rescinded by the DMTF and the Tested Product is removed from the Program Web site.

### 4.3.3 Conformance Program Deficiency

A Conformance Program Deficiency is an acknowledged error in the Conformance Program. The Conformance Program includes the workflow and information systems provided to test Submissions. Conformance Program Deficiencies apply to the version of the Conformance Program in which they are found. If the issue is blocking the test result certification effort, a patch is made to the Conformance Program to enable certification to proceed. Otherwise, the issue is fixed in a future update of the Conformance Program and the Conformance Program Deficiency remains in force until such an update.
436 4.3.3.1 Provisional Test Result Certification due to CP Deficiency

437 After the Test Suite Authority has acknowledged a Deficiency, the Participant may request a Waiver pending resolution of the Deficiency. The DMTF grants a Provisional Test Result Certification for the Test Results pending resolution of the Deficiency. The Participant’s Product may be published on the Conformance Program Web site with an indication that the Test Result Certification is Provisional. The Provisional Test Result Certification remains in effect until the Deficiency is resolved. At that time, the Participant has 30 business days in which to resubmit test results for processing using the revised Program process. If the Participant has not resubmitted Test Results within 30 business days after resolution, the Provisional Test Result Certification is rescinded by the DMTF and the Submission is removed from the Program Web site.

446 4.4 Issue Report repository

447 The Program Administrator maintains an SMF Member-only Web-accessible repository of all submitted Issue Reports. This repository is accessible by all DMTF SMF members. The viewable information contains technical details, such as the nature of the issue and its current status of resolution, but does not contain clauses reserved for Participant and Submission details, thus maintaining the Participant's confidentiality.

5 Appeals process

502 Participants may appeal decisions made by the DMTF or the Program Administrator. The occasions that may give rise to an appeal include, but are not limited to, the following:

505 • The Participant disagrees with the resolution of an Issue Report.
506 • The Participant disagrees with the Program Administrator’s grounds for denying the award of certification to test results.

508 The two levels of appeal are a Technical Review and a Board Review. Review decisions are made in accordance with DMTF policies. At each level of appeal, the Participant has the right to representation at the review meeting to make the technical case but is not required to have representation. The appeals process is anonymous if the Participant does not want to be represented at the review meetings. In such cases, the Program Administrator removes the details of the Participant and the Submission from all information provided for the Technical and Board reviews.

514 A Participant wanting to dispute a DMTF or Program Administrator decision may request a Technical Review. Technical Reviews require the DMTF Technical Committee to consider the matter and produce a response with a recorded vote according to DMTF voting rules. The Technical Committee may commission reports from independent experts and may seek input from other committees within DMTF as it sees fit.

519 If the Participant is not satisfied with the outcome of the Technical Review, the Participant may request an appeal to the DMTF Board of Directors within 14 business days of being notified in writing by the Program Administrator of the results of the Technical Review. The DMTF’s Board of Directors may ask for technical reports from the relevant working groups and may also ask for reports from independent experts. The Board Review is completed as soon as possible after the Board is informed by the Program Administrator of the Participant’s written request for a Board Review. The results of a Board Review are final and cannot be further appealed.

526 Appeal requests are made to the Program Administrator. After a formal written appeal has been submitted, the Program Administrator evaluates the appeal fairly and in a non-discriminatory manner. The Program Administrator may request additional information or tests from the Participant that are deemed necessary and advisable in order to resolve the issue. The Program Administrator communicates the decision of the Appeal to the Participant.
Participants should be aware that while the DMTF makes every effort to act on a timely basis, it may take several weeks before an appeals decision is reached. In most cases, 60 business days is sufficient to provide a final appeal decision. However, in exceptional circumstances, final resolution may take longer.

6 Confidentiality

All information relating to a Participant and the Submissions to be certified are treated as confidential information by the Program Administrator during the certification process (that is, prior to the award of certification). This includes information related to the Registration Form, Conformance Statements, Issue Reports, Fees, and so on.

Test results are always confidential. Information regarding the results of using the test suites shall not be disclosed in any publicly available document or to any third party by the Program Administrator, the Participant, or any party acting on the Participant’s behalf.

In addition, the Program Administrator always holds confidential any information regarding unsuccessful applications for certification.

6.1 Disclosure of Certification information

Certification Information consists of the fact that certification was achieved and the description of the Certified Submission. Any claims of conformance or information related to the certification process may be made public only after the Program Administrator has notified the Participant in writing through email that the Submission has passed the Conformance Requirements.

The Program Administrator makes test result certification information publicly available by including it in the Certification Register available on the DMTF’s Web site.

6.2 Optional confidential treatment of Certification information

On occasion, a Participant applies for and achieves test result certification prior to the launch of the tested product in the marketplace. To enable a Participant to keep such information confidential prior to launch, the Participant may request that the test result certification information be kept confidential for a maximum period of six months from the date of written notification by the Program Administrator that the Test Result Submission has passed the Conformance Requirements.

During this period, the Participant may not make any representation of conformance with the Conformance Program without first informing the Program Administrator that the confidential period has expired. If the Participant wants to keep the test result certification information for a Submission confidential permanently, the Participant may request withdrawal and deletion of such information. Such a Submission is then no longer considered a Certified Submission.

When the six-month confidential period expires, the Participant shall notify the Program Administrator that the test result certification information that is posted on the DMTF Web site should be made public; otherwise, the Submission ceases to be considered a Certified Submission.
7 DASH Conformance 2.0 Program updates

The Conformance Test Package (described in clause 2) may change over time. Some events that may make a change necessary are as follows:

- A change in Conformance Requirements
- Addition, deletion, or modification of tests
- Changes in test software
- Changes in Eligibility Requirements
ANNEX A
DASH Conformance Requirements

A Tested System that meets the following requirements shall be deemed “Conformant” by the System Management Forum and the DMTF:

- The Tested System shall implement all CIM profiles defined as Mandatory by DASH Implementation Requirements 1.0 (DSP0232) or DASH Implementation Requirements 1.1 (DSP0232) or DASH Implementation Requirements 1.2 (DSP0232).
- The Tested System may implement Conditional and Optional profiles from DASH Implementation Requirements 1.0 (DSP0232) or DASH Implementation Requirements 1.1 (DSP0232) or DASH Implementation Requirements 1.2 (DSP0232).
- For each Profile implemented by the Tested System, the Tested System shall meet the requirements of the corresponding Profile test of the Conformance Test Suite as follows:
  - The Tested System shall pass all tests for Mandatory requirements.
  - The Tested System shall pass all tests for any Optional requirements that are implemented by the Tested System.
  - The Tested System shall pass all tests for any Conditional requirements that are implemented by the Tested System and for which the Tested System exhibits the Conditions.
  - For any Profile that allows zero central instances, the Tested System may implement zero instances.
  - Protocol interactions during the Profile test shall be conformant as defined and used by the Profile tests.

The DASH Conformance Test Suite 2016 reports Conformance Test Results as follows:

- The DASH Conformance Test Suite 2016 reports conformance test results at three levels: individual test results, per-Profile summary results, and a CTS summary result.
- The per-Profile summary result shall be “Info” when no Registered Profile is found for the Profile.
- The per-Profile summary result shall be “Pass” when there is no applicable individual test result of “Fail” (that is, when all individual test results for the Profile are “Pass”, “Info”, or “Warning”).
- The Tested System shall receive a CTS summary result of “Pass” when there are no per-Profile summary results of “Fail” (that is, when all per-Profile summary results are “Pass”, “Info”, or “Warning”) and there is no summary result of “Fail” for each of the test sections “Discovery”, “Transport”, “WS-Event”, and “WS-Protocol”.

The submitted DASH Conformance Test Results for a Tested System that meet the following requirements shall be deemed “Certified” by the System Management Forum and the DMTF:

- The certification of Conformance Test Results is performed solely on the basis of the Conformance Test Results folder that results from a test run on a single Tested System and is submitted by an Eligible Participant.
- The Conformance Test Results folder shall be obtained by execution of the DASH Conformance Test Suite 2016 and it shall contain a Conformance Test Results file with a valid digital signature (certificate.xml) and tar file of the results placed there by the Conformance Test Suite.
- The Conformance Test Results file shall not indicate a failure. TestsFailed field of the Test Summary section of Conformance Test Results shall have a value of 0.
The submission will be considered valid only if the Conformance Test Results (certificate.xml) were generated after the released date/time of the authorized DASH Conformance Test Suite 2016.

The submission will be considered valid only when the Conformance Test Results file containing a valid digital signature (certificate.xml) contains valid description of the qualified product.

If the Conformance Test Results file (certificate.xml) does not meet the requirements above, the Program Administrator can request a re-submission, which will likely require a re-execution of the Conformance Test Suite by the participant.
ANNEX B
DASH Conformance Test Suite 2016 Scope

DASH Implementation Requirements 1.0 (DSP0232 Version 1.0.1) or DASH Implementation Requirements 1.1 (DSP0232 version 1.1.0) or DASH Implementation Requirements 1.2 (DSP0232 version 1.2.1) identifies the specific DMTF specifications and their revisions that are included in the scope of the Conformance Test Suite (CTS). Per DMTF policy, specification references are always given to the level of “major” and “minor” revisions (for example, “1.0” or “1.2”). When specifications are revised to note Errata, a third place in the revision designation is used, as in “1.0.1” or “1.0.3.” Errata editions do not define new requirements for conformance. While DSP0232 defines the scope of the CTS, there is no guarantee that the current released CTS will cover all of the stated requirements and future revisions of the CTS may include tests which were not included in earlier releases.

Test coverage of infrastructure and protocol specification included in the scope of DSP0232 is designed to cover the use of the infrastructure and protocol to access the functionalities defined by DSP0232 and Test Suite is not designed as a full evaluation of implementation of the CIM infrastructure or protocol specifications.
Annex C
DASH Conformance Program 2.0 Application Agreement

Distributed Management Task Force, Inc. (DMTF)
DASH Conformance Program 2.0 Application Agreement

Applicant Name _______________________________________________________________
Address _______________________________________________________________________
City, State _________________________ ZIP ________________________________
Country _____________________ Province___________________ Post Code___________

Authorized Contact Signature _________________________________________________
Authorized Contact Printed Name ______________________________________________

The Applicant named above (an Authorized Contact of the company representing the company
participation in the program) applies to the DMTF for use of the DMTF Conformance Program, on the
terms set forth, for the Products identified herein.

For purposes of this Agreement, the terms used herein shall have the meanings documented in
clause 1.4, “Terms and definitions,” of the DASH Conformance Program 2.0 Policies and Procedures
document.

1. Applicant’s Obligations

In addition to the Application-related information provided as part of the Application process, the Applicant
will make best efforts to answer all reasonable additional questions the Program Administrator may raise.

1.1 Application Process

The Applicant shall complete and sign both the first and last page of this Application Agreement and
include payment to the DMTF of any applicable fees as provided below.

Program Application Agreements and Submission Forms may be sent to the Program Administrator
in any of the following ways:

- By mail to the following address:
  Distributed Management Task Force, Inc.
  Attn. DMTF DASH Conformance-Program Administrator
  1001 SW 5th Avenue, 1100
  Portland, OR 97204 USA

- By fax to 503.296.2432

- Scanned into PDF and sent by email to dash_cp_admin@dmtf.org

The Participant should retain copies of all Conformance Program forms and correspondence.
1.2 Testing

The Applicant shall complete formal Product testing using a current and authorized version of the Test Suites. The Program Administrator will maintain a list of the current versions of each Test Suite for use in this Program and on the DMTF Web site.

1.3 Conformance

For Conformance Test Results to be validated, the Applicant shall submit the Conformance Test Suite results for formal review to the Program Administrator for the particular version of the Conformance Test Suite for which the Applicant is requesting Conformance Test Results Certification. The Applicant shall comply with the Program Administrator’s reasonable requests for clarification or rework regarding the completeness, correctness, or consistency of the information provided.

1.4 Warranty of Conformance Test Result Certification

The Applicant warrants and represents that the Products identified in ANNEX E, Applicant Submission Information, meet the Conformance Requirements at the time of Conformance Test Result Certification and at all times thereafter in which the Products are stated, advertised, or otherwise claimed in any way by the Applicant to be conformant under this Program.

If the Applicant fails to maintain and ensure continued Product compliance with the Conformance Requirements for this Program, the Program Administrator may revoke the Conformance Test Result Certification, including all related marketing benefits including but not limited to DMTF Web site listings. For avoidance of doubt, any demonstrable shortfall with respect to the Conformance Requirements shall be absolute grounds for the immediate withdrawal of Conformance Test Result Certification, whether or not that shortfall is apparent from the Conformance Test Result and testing process itself. The Program Administrator shall provide written notice to the Applicant on evidence of Product non-conformance and grant a reasonable time, not to exceed five business days, for Applicant to respond and remediate such failure. If Product compliance is not achieved during this time, the Program Administrator shall revoke the Conformance Test Result Certification.

1.5 Fees

Publication (creation of a DMTF Certification Registry entry) is done only after receipt of any applicable Conformance Program Application and/or Submission Fees. The Fee Schedule for the DASH Conformance Program 2.0 is listed in ANNEX D.

2. Conformance Program Administrator’s Obligations

2.1 Submission Management

The Program Administrator will audit and review all Program-related information provided by the Applicant, including the Application and Submission, to determine whether the submitted information demonstrates that the Submission meets the applicable Conformance Requirements.

The Program Administrator will notify the Applicant by email of the result within six business days of receipt of a complete Submission, as follows:

- If the reviewed results indicate that the Conformance Requirements have been met, the Program Administrator will notify the Applicant by sending a Notice of Conformance by email to the email address of the Technical Contact provided in this Agreement. If Applicant has granted permission in the signature section of this Application, the Program Administrator will include the Submission into the Certification Registry.

- If the reviewed results indicate that the Conformance Requirements have not been met, the Program Administrator will reject the Submission and report the findings for such rejection to the Applicant’s Technical Contact by email.
2.2 Anonymity of Appeals

The Applicant may appeal a decision made or issued at any point in the Program by notifying the Program Administrator in writing of its desire to invoke the appeals process as defined in the DASH 1.0 Conformance Program Policies and Procedures. The Program Administrator will facilitate an anonymous review on behalf of the Applicant.

3. Conformance Program Participation

The Applicant acknowledges and agrees that the DMTF determines and oversees Program participation, fees, eligibility for participation, technical matters, Test Suites, Submissions, the issuance of Notices of Conformance, and all Conformance Testing requirements, interpretations, and all other matters related to the Program. The Applicant understands and agrees that participation in the Program is entirely voluntary, that the DMTF is a not-for-profit 501(c)(6) organization, and that the DMTF has developed, maintains, and administers the Program as a vendor-neutral activity supportive of interoperability in the global computer technology industry, consistent with its chartered tax-exempt purposes.

Certification of Conformance Test Results does not in any way guarantee the interoperability of the Tested Product with any other product that is the subject of a Certified Test Result.

4. Pre-authorized Automatic DMTF Web Site Listing

The Applicant’s Certified Conformance Test Result Submissions will be listed on the DMTF public Web site at www.dmtf.org automatically if the Applicant initials the appropriate box on the signature page of this Application or Submission Form. Posted Certified Submissions can be removed from the DMTF Web site within 10 business days of the Program Administrator’s receipt of a written request from the Applicant. Likewise, the Applicant may request to change a “do not list” election made on this Application Agreement by written request to the Program Administrator at any time. Certified Submissions may be added to or removed from the Certification Registry upon such written request by the Applicant at any time.

5. Confidentiality

DMTF shall safeguard Applicant information which is marked and designated by the Applicant as CONFIDENTIAL (“Confidential Information”). Such information will be made available solely to the Program Administrator and will not be distributed nor made available to the DMTF management or membership.

5.1 Confidentiality Covenants and Conditions

The Program Administrator is also bound by the confidentiality covenants and conditions of this Agreement, as stated below.

5.1.1

The Program Administrator shall, except where a provision of this Agreement expressly provides otherwise, maintain in confidence all Confidential Information that the Applicant discloses to the Program Administrator in relation to this Program. No license, express or implied, under any trademark, copyright, or other intellectual property right of the Applicant is granted by the Applicant to the Program Administrator by virtue of such disclosure. The Program Administrator shall keep such Confidential Information in a file jacket marked CONFIDENTIAL and stored in a locked filing cabinet in a secure location when not in use, properly safeguarded and maintained in strictest confidence. The Program Administrator shall not use any such Confidential Information except for the Applicant’s own purposes under this Agreement. The Program Administrator’s obligations under this subclause shall be to take such steps as it ordinarily takes to preserve the most important of its own confidential information, but not less than the above.
The obligations of non-disclosure and non-use set out in this Agreement shall not apply to any item of information that:

- Is in the public domain at any time (but without prejudice to any party’s rights of action against another party who wrongfully causes or permits such information to be in the public domain)
- Was rightfully in the receiving party’s possession without obligation of confidence prior to its disclosure pursuant to this Agreement, or is subsequently independently developed by the receiving party’s employees having no access to the information disclosed hereunder
- Is subsequently rightfully obtained without obligation of confidence by the receiving party from a source other than the Applicant as evidenced by written records
- Is required to be disclosed by order of any court of competent jurisdiction, provided the Applicant is given prompt notice of any such order in sufficient time to file legal objection thereto

No right or interest under any license, patent, or otherwise shall be acquired by the recipient of any information by virtue of the application of this clause.

To enable the Applicant to keep the fact of Certification confidential for a period of up to six months from the date of written notice by email by the Program Administrator that the Applicant has achieved Certification, the Applicant’s identity, the fact of Certification, and the information about the Certified Conformance Test Result Submission will be kept confidential subject to the disclosure and use restrictions set out in this clause, if the Applicant elects and initial the option for delayed disclosure as shown on the signature page of this Agreement. During this period, the Applicant may not publicly claim that the Product is or has passed the Conformance Requirements of this Program, or make any representation of compliance without first informing the Program Administrator that the Applicant elects to have the confidential period expire. Application and Submission Information will cease to be held confidential after such six-month period.

THE APPLICANT ACKNOWLEDGES THAT IT IS REASONABLE FOR THE DMTF AS A NOT-FOR-PROFIT ORGANIZATION TO EXCLUDE LIABILITY AS SET OUT BELOW AND FOR THE APPLICANT TO TAKE MEASURES, INCLUDING MAINTENANCE OF APPROPRIATE INSURANCE COVERAGE, TO MITIGATE OR PREVENT ANY POTENTIAL LOSSES THAT MAY ARISE.

THE DMTF ON ITS OWN BEHALF AND ON BEHALF OF ITS OFFICERS, EMPLOYEES, AND AGENTS HEREBY EXCLUDES ALL LIABILITY, WHETHER IN CONTRACT, TORT, OR OTHERWISE, ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE USE OR NON-USE BY ANY PERSON OF ANY INFORMATION PROVIDED BY THE DMTF TO THE MAXIMUM EXTENT PERMITTED UNDER APPLICABLE LAW. IN NO EVENT OR CIRCUMSTANCES SHALL THE DMTF BE LIABLE FOR ANY INDIRECT OR CONSEQUENTIAL LOSSES (INCLUDING, WITHOUT LIMITATION, ANY LOSS OF PROFITS, CONTRACTS, PRODUCTION, OR USE).

The Applicant shall indemnify and hold harmless the DMTF, together with its officers, agents, subcontractors, and members and their servants when engaged in activities on behalf of the DMTF, but only to the extent that they are acting in that capacity (together, the "Indemnified"), against any and all demands and claims of the Applicant, and of third-party liability including liability for losses, damages,
settlements, and costs (including lawyers’ fees) of any nature whatsoever asserted against or suffered by the Indemnified, arising from the Conformance Program and not caused by any criminal action, gross negligence, or tort by the Indemnified, provided that the Indemnified meets the following requirements:

- Notifies the Applicant within 10 business days of any such demand and claim, and refrains from any action on account of such demands and claims which may prejudice the Applicant
- Cooperates fully with the Applicant in the defense or settlement
- Grants the Applicant full authority and control to defend and settle any such demands and claims

The DMTF shall take all reasonable steps to limit such damage or loss.

No provision of this clause shall apply in any circumstances or in respect of any liability or class of liability to the extent that it is not in accordance with applicable law. In the event such a provision is held to be inapplicable or invalid, the parties will amend this Agreement to remove the inapplicable or invalid part of the provision and otherwise so as to retain the provision and contract intent to the extent permissible under applicable law.

8. General

8.1 Entire Agreement

This Agreement, including the documents referenced as attached (as may be amended from time to time), together with all other forms relating to this Agreement submitted and accepted by both Parties, constitutes the entire Agreement and supersedes all prior oral or written agreements, understandings, or arrangements between the Parties relating to such subject matter. Neither Party shall be entitled to rely on any agreement, understanding, arrangement, or representation relating to the subject matter of this Agreement that is not expressly contained in this Agreement, and no change may be made to this Agreement except in writing and signed by duly authorized representatives of both Parties.

8.2 Waiver of Rights under this Agreement

No failure or delay on the part of either of the Parties to exercise any right or remedy under this Agreement shall be construed or operate as a waiver thereof nor shall any single or partial exercise of any right or remedy preclude the further exercise of such right or remedy as the case may be.

8.3 Notices

Any notice or other document to be given under this Agreement shall be in writing in the English language and, except in circumstances where this Agreement specifically provides for notices by email, shall be deemed to have been duly given if sent by hand, by recorded delivery, by registered post, or by facsimile (subsequently confirmed by post) to a party at the specified address for that party, unless a different address has been given to the other in writing for this purpose. The specified address for the Program Administrator is the address set out below, and the specified address for the Applicant is the address provided for on page 1 of this Application Agreement.

DMTF notices should be sent to:

Distributed Management Task Force, Inc.
Attn. DMTF DASH Conformance-Program Administrator
1001 SW 5th Avenue, #1100
Portland, OR 97204 USA

Fax: 503.296.2432
9.4 Term and Termination

This Agreement comes into effect at the date of acceptance by the Applicant and will expire only if explicitly terminated under one of the following conditions:

- At any time upon six months' written notice by either Party to the other
- If a period of 30 business days has elapsed from one Party notifying the other Party of a breach of this Agreement or of the terms of the DASH Conformance Program 2.0 Policies and Procedures document, and such a breach has not been rectified to the satisfaction of the other Party

Notwithstanding the termination of this Agreement for any reason, the obligations of non-disclosure in respect to any confidential information disclosed prior to such termination shall survive for a period of five years following such termination.

8.5 Governing Law

This Agreement shall be governed by the laws of Oregon, and the parties submit to the non-exclusive jurisdiction of the United States federal courts located in Oregon.

8.6 Execution

The Applicant:

- Acknowledges reading and understanding this Agreement
- Agrees to be bound by the terms of the DASH Conformance Program 2.0 Policies and Procedures document
- Warrants and represents that the Submissions meet the applicable conformance requirements
- Warrants that NO MATERIAL CHANGES have been made to this Agreement since it was made available to the Applicant by the Program Administrator
- Agrees that all these obligations, and those described in the Confidentiality and Indemnity clauses of this Agreement, shall survive the termination of this Agreement
- Has included with this fully executed Agreement all applicable fees due for this Program as outlined in the “DASH Conformance Program 2.0 Fee Schedule” attached hereto as ANNEX D
- Has fully executed the “Applicant Submission Information”, for the Submissions attached hereto as ANNEX E.
DASH Conformance Program 2.0 Application Agreement

ACKNOWLEDGED and AGREED by
Company Authorized Contacts

Company ________________________________

Company URL: __________________________

Company Address ________________________

_______________________________________

_______________________________________

_______________________________________

_______________________________________

Authorized Contact

Authorized Contact Signature ____________________________

Authorized Contact Printed Name __________________________

Date __________________________

Title __________________________

Email __________________________

Business Address ______________________

_______________________________________

_______________________________________

Phone (Office) ________________ (Mobile) ________________

Authorized Contact Printed Name __________________________

Date __________________________

Title __________________________

Email __________________________

Business Address ______________________

_______________________________________

_______________________________________

Phone (Office) ________________ (Mobile) ________________
<table>
<thead>
<tr>
<th>Alternate Authorized Contact</th>
<th>Alternate Authorized Contact Signature  ______________________________</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Alternate Authorized Contact Printed Name __________________________</td>
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<td></td>
<td>Date  ____________________________________________________________</td>
</tr>
<tr>
<td></td>
<td>Title  ____________________________________________________________</td>
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<tr>
<td></td>
<td>Email  ____________________________________________________________</td>
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<tr>
<td></td>
<td>Business Address  _________________________________________________</td>
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<td></td>
<td>Phone (Office) ____________________ (Mobile) _______________________</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Technical Contact Information</th>
<th>Technical Contact Name  ____________________________________________</th>
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<tbody>
<tr>
<td></td>
<td>Email  ____________________________________________________________</td>
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<tr>
<td></td>
<td>Business Address  _________________________________________________</td>
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<tr>
<td></td>
<td>Phone (Office) ____________________ (Mobile) _______________________</td>
</tr>
</tbody>
</table>
Our payment of US$ ______________ is attached as payment of our fees for participation in this Program based on the Fee Schedule in ANNEX D.

Payment in US$ drawn on a US-based bank, payable to the Distributed Management Task Force, Inc., in one of these ways:

1) **By check**

Send a check payable to the DMTF by post to:

Distributed Management Task Force, Inc.
Unit 82
P.O. Box 4800
Portland, OR 97208-4800

2) **By bank wire transfer**

Payments may be made through bank wire transfer. Contact [DMTF Administration](mailto:dmtf-administration@com) to request payment routing instructions. If you have already received a DMTF invoice, you can find the wire transfer information under payment option 2 on your invoice copy.

3) **By credit card**

DMTF accepts VISA, MasterCard, and American Express. Submit by fax to 503.296.2432 or contact DMTF by phone at 503.220.1655.

Include the cardholder’s full name, card number, expiration date, and total amount authorized to charge.
# ANNEX D
## DASH Conformance Program 2.0
### Fee Schedule

#### Application Fee

<table>
<thead>
<tr>
<th>Membership Type</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Management Forum Member (All members)</td>
<td>$0</td>
</tr>
<tr>
<td>DMTF Participatory Member or Higher</td>
<td>$2,500</td>
</tr>
<tr>
<td>All Others</td>
<td>$3,500</td>
</tr>
</tbody>
</table>

#### Conformance Test Result Certification Registration Fees

<table>
<thead>
<tr>
<th>Membership Type</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Management Forum Leadership Member</td>
<td>Membership Benefit</td>
</tr>
<tr>
<td>System Management Forum Participatory Member</td>
<td>Membership Benefit</td>
</tr>
<tr>
<td>DMTF Participatory Member or Higher</td>
<td>$500 per product</td>
</tr>
<tr>
<td>All Others</td>
<td>$1,000 per product</td>
</tr>
</tbody>
</table>
ANNEX E
DASH Conformance Program 2.0
Product Submission Form

DASH Conformance Program 2.0 Submission Agreement

Please use this form to:

- Submit Conformance Test Results for a Tested Product
- Submit product family names and product names of Qualified Products for which these submitted Conformance Test Results are applicable
- Submit product family names and product names of Qualified Products for which previously submitted Conformance Test Results are applicable

This form should be completed by the company’s Authorized Contact and sent to the DASH Program Administrator. If Conformance Test Results are being submitted, the signed Conformance Test Results produced by the DASH CTS 2016 shall be attached. Publication (creation of a DMTF Certification Registry entry) is done only after receipt of any applicable conformance program application and/or submission fees.

_________(Initial Here) Do not publish the Tested and/or Qualified Products above on the DMTF Web site Certification Registry and in Program Marketing Material

NOTE: If initialed, it will be the responsibility of an Authorized Contact to send notice to the Conformance Program Administrator to publish the Tested and/or Qualified Products in this Submission to the Certification Registry.
## Request to Certify Conformance Test Results for a Tested Product

<table>
<thead>
<tr>
<th>Vendor/Company Information</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Vendor/Company (required)</td>
<td>Name:</td>
<td></td>
</tr>
<tr>
<td>Authorized Contact Name:</td>
<td>Name:</td>
<td></td>
</tr>
<tr>
<td>Authorized Contact Email:</td>
<td>Email:</td>
<td></td>
</tr>
<tr>
<td>Authorized Contact Phone:</td>
<td>Phone:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Submission Information</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Certification Requested</td>
<td>DASH 1.0 / DASH 1.1 / DASH 1.2</td>
<td></td>
</tr>
<tr>
<td>Conformance Test Suite / Version (required)</td>
<td>DASH CTS 2016 Version ______</td>
<td></td>
</tr>
<tr>
<td>Date Tested (required)</td>
<td>Date:</td>
<td></td>
</tr>
<tr>
<td>Provisional Certification Requested? (check)</td>
<td>□ Request to issue Provisional Certification</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reason for Provisional Request</th>
<th>Required when claiming Provisional Certification. List any CTS defect sightings or other Program issues.</th>
<th></th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Tested Product Information</th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Name (required): *</td>
<td>Name:</td>
<td></td>
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<tr>
<td>Model (required): *</td>
<td>Model:</td>
<td></td>
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<tr>
<td>Version (required):</td>
<td>Version:</td>
<td></td>
</tr>
<tr>
<td>Description:</td>
<td>Description:</td>
<td></td>
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<tr>
<td>Product Family:</td>
<td>Family:</td>
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</table>

| Compliance Qualification (required) | Vendor’s description of the product feature required by the vendor in the Tested Product or System in order to meet the conformance requirements. For example, if a particular product feature shall be ordered, enter that feature identification here. Other examples of Qualifications include specific firmware versions, add-in parts or adapters, etc. |          |

<table>
<thead>
<tr>
<th>Product Type (required)</th>
<th>System _____ Component _____</th>
</tr>
</thead>
<tbody>
<tr>
<td>“System” indicates that the results are submitted for a stand-alone, integrated system product.</td>
<td>Check one:</td>
</tr>
<tr>
<td>“Component” indicates that the results are submitted for a component product. If Product Type is “Component”, the section titled “Tested System Information” is required.</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Tested System Information (conditional)</th>
<th></th>
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<tbody>
<tr>
<td>Name:</td>
<td>Name:</td>
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<td>Model:</td>
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<td>Vendor:</td>
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<tr>
<td>Description:</td>
<td>Description:</td>
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<table>
<thead>
<tr>
<th>Hardware Environment</th>
<th></th>
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<tbody>
<tr>
<td>(Cards, Features, Options, etc.; add list items if necessary):</td>
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<thead>
<tr>
<th>Software Environment</th>
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<tbody>
<tr>
<td>(Operating System, Drivers, Firmware, etc.; add list items if necessary):</td>
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<thead>
<tr>
<th>Other Required System Components</th>
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<td>(add list items if necessary):</td>
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</table>
### Request to Apply Certified Conformance Test Results to Qualified Products

<table>
<thead>
<tr>
<th>Type of Request (check one)</th>
<th></th>
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</table>
|  | □ in the “Request to Certify Conformance Test Results for a Tested Product” above.  
|  | □ identified by the following Certification Identifier. |

<table>
<thead>
<tr>
<th>Certification Identifier</th>
<th>Certification ID# ____________</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(If you checked “in the ‘Request to Certify Conformance Test Results for a Tested Product’”, leave this value blank. Otherwise, enter the identifier that the company received from the Program Administrator for a previously certified test result Submission.)</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Qualified Products</th>
<th>Name</th>
<th>Model</th>
<th>Version</th>
<th>Description</th>
<th>Product Family Name</th>
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<tbody>
<tr>
<td>List all products for which the Certification identified above is applicable. Name, Model, and Version are required for each entry.</td>
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