

DPP Compliance Programme
AMWA AS-11 DPP
Product Test Report (See note 5, on next page)
DPP Lab, BBC R&D, Centre House, 56 Wood Lane, W12 7SB, UK

OEM	Editshare EMEA
Product (Note 6)	QUALES
Product Version (Note 6)	2.14.3 / AS11 1.0.2 / AS11 UK DPP HD v1.1
Test Report Date	Thursday, 15 February 2018

OVERALL TESTING RESULT	PASS
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HD Test Artifacts Used	
Writer Functionality	Reader Functionality
File Conformance Test Suite (F1.3) (Note 1, on next page)	File Reader Tests (R1.2, R2.0 to 2.3, R3.1) (Note 2, on next page)
Not applicable	R2.3

Analyser Test Artifacts Used	
MXF Format	DM Validation
PART 1 tests A1.1 (MXF) Documents: See below	PART 2 tests A2.1 (DM) Documents: See below
A1.1 (MXF)	A2.1 (DM)

GENERIC FUNCTION CATEGORIES		Functionality Tested
File Writers	Products that write AS-11 UK DPP HD files. Tests are carried out to determine whether a file written by a device conforms to the AMWA AS-11 UK DPP HD Shim v1.1 as defined by the rules for conformance [available at the link below], as well as the requirements for Descriptive Metadata (DM) http://www.amwa.tv/projects/rules/as-11/	Not applicable
File Readers - R1.2 Players	Products that have the ability to read AS-11 DPP HD files and then play the contents of the file to a video and audio monitor. These devices may additionally include the ability to display Timecode, DM and Programme Parting / Segmentation. It is not a requirement that products should have all possible functionality. Products are only tested for the features that they have.	Not applicable
File Readers - R1.2 Transcoders	Products that have the ability to read AS-11 DPP HD files and then transcode the contents to a different format. Transcoded output files are then tested following the Player testing procedure.	Not applicable
File Readers - R2.0, R2.1, R2.2, R2.3 Analysers	Products that have the ability to read and analyse AS-11 DPP HD files for MXF and DM are tested for their ability to read basic file information. If it also has the capability to play or transcode then this is additionally tested. MXF analysis and DM validation is tested elsewhere.	Tested
File Readers - R3.1 Specific Products	Products that have the ability to read AS-11 DPP HD files and then render a subset of audio, video and/or DM content to a form suitable for another use. Examples may include audio only monitoring, PSE measurement, etc.	Not applicable
File Analyser - A1.1 (MXF) PART 1 Tests	File Format MXF tests, as per documents: AS-11 UK DPP HD - P1 - MXF Tests for Analysers - A1.1 (MXF) AS-11 UK DPP HD - P3 - Analyser Test Files - A3.1 (FILES) Test files include the set of files testing MXF file format	Tested
File Analyser - A2.1 (DM) PART 2 Tests	File DM Validation tests, as per documents: AS-11 UK DPP HD - P2 - DM Tests - A2.1 (DM) AS-11 UK DPP HD - P3 - Analyser Test Files - A3.1 (FILES) Test files include the set of files testing DM Validation	Tested

AMWA CERTIFICATION AUTHORITY

The **AMWA Certification Authority** uses these TEST REPORTS as the basis for awarding Certification. Please see the web page below.

<http://www.amwa.tv/certification>

Template version	v1.4	Tuesday, 25 October 2016	Generic Test Report
Template version	v1.2	Thursday, 5 February 2015	Specific Product and Analyser categories
Template version	v1.1	Friday, 6 February 2015	Release version

NOTES	
Note 1	Writer Functionality, File Conformance Test Suite: This identifies the tests carried out on AS-11 DPP OUTPUTS of the product and describes the file conformance tests used. This document is available from the DPP Compliance page on the DPP website.
Note 2	Reader Functionality, File Reader Tests: This identifies the File Reader Test procedure, including the list of tests carried out by the OEM on their own product, with the results to be noted. This document is available from the DPP Compliance page on the DPP website.
Note 3	Input media used: For Writer tests this identifies the INPUT MEDIA files and / or SDI and metadata sources to be used for the creation of output AS-11 DPP files specified.
Note 4	Input AS-11 DPP files used: For Reader tests this identifies the a set of AS-11 DPP test files that are used as INPUTS to the product.
Note 5	This Product Test Report is also known as the TEST REPORT for the purposes of applying for AMWA Certification.
Note 6	The test results (and any Certificate ultimately issued) will be tied to the version of the product tested. This means that an actual 'release' of a product must be submitted for testing.
Note 7	Certain faults are classed as 'warnings'; certain faults are classed as 'errors' but result in 'Pass with Conditions' rather than 'Fail'. The overall test result takes the worst case result from individual tests. That is, if any individual test result is a 'Fail' then the overall test result is a 'Fail'.

TEST PROCEDURE - Overview	
Writer Test Procedure	<p>Stage 1: Once signed up to the DPP Compliance Programme, the OEM should send some representative file samples to the DPP lab to be tested. The File Conformance Test Report then shows how they performed against the conformance criteria. Individual tests <i>may</i> have one of four outcomes: PASS, WARNING, PASS with CONDITIONS, and FAIL. Some tests may just have PASS or FAIL. If the initial files tested are a 'Fail' then new files will need to be submitted once the product has been updated with a fix for the issue. Once the files are a 'Pass', or 'Pass with Conditions' then the manufacturer can move to step 2 and formally request that the lab test the product at Certification Level.</p> <p>Stage 2: The OEM will need to provide the lab with additional information about the product's functionality and operation using the Initial OEM Product Submission Form. The Lab, in discussion with the OEM, will then agree the method(s) by which the product being tested will create files for Certification Level Testing.</p> <p>Once stage 2 testing has been completed and the Product Test Report (showing Pass or Pass with Conditions) is issued to the OEM. They can then go ahead and apply for Certification from the AMWA.</p> <p>Please note: If the device also includes Reader functionality then this will also require a 'Pass' or 'Pass with Conditions', in order for the Product Test Report to be issued.</p>
Reader Test Procedure	File Reader testing is primarily 'self-serve'. The test procedure may be carried out by the OEM at any time. It principally involves downloading the set of AS-11 UK DPP HD Reader test files and asking the product to read each one, and the OEM recording the results. The ability to do this is assessed by The DPP Test Lab against set criteria which include checks for player functionality, and transcode functionality if present. (This is subject to change as new files and tests are included). A declaration form is to be completed and the results returned to the DPP Lab. Results are verified and if they are a 'Pass' or 'Pass with Conditions' a Product Test Report is issued to the OEM. Please note: If the device also includes Writer functionality then this will also require a 'Pass' or 'Pass with Conditions', in order for the Product Test Report to be issued.
Analyser Test Procedure	<p>This procedure is concerned with devices whose primary function is File Format Analysis of AS-11 DPP HD files.</p> <p>This functionality, defined in a specific Test Plan or Test Profile, is assessed in two parts: Part 1 (MXF Format) and Part 2 (DM), as described below. A set of test files should be tested and the results captured as described in the Part 3 document. They include tests that the Analyser should be carrying out in order to meet the required Certification Level criteria. The three parts are as follows:</p> <ul style="list-style-type: none"> PART 1. MXF Format Tests for File Analysers PART 2. Descriptive Metadata (DM) Validation Tests PART 3. File Testing and Reporting (for PART 1 & PART 2) <p>The Analyser test procedure (Parts 1, 2 and 3) may be carried out by the OEM at any time by following the instructions detailed in each document. The range of included tests and capabilities is then assessed by the DPP Compliance Programme against the Certification Level criteria. If these criteria are met then the Analyser will Pass.</p> <p>File Reader functionality should be tested and recorded separately, following the "File Reader Tests for Analysers" instructions, as above. If the device also writes AS-11 DPP HD files then you must complete Writer tests, as above. All tests must 'Pass' or 'Pass with Conditions' in order for a device to qualify for Certification.</p>
Application to AMWA	Once a Product Test Report has been issued by the DPP, an OEM may follow the AMWA procedure to apply for Certification.

PASS or PASS WITH CONDITIONS	
What it means	The capability of version X of product Y to read and / or write AMWA AS-11 UK DPP HD Shim files has been tested by the DPP Compliance Lab and all the tests performed (as referenced in this report) under the specified “realistic” operating conditions have either “Passed” or “Passed with Conditions”.
What it DOES NOT mean	<ul style="list-style-type: none"> a) All files produced by a Writer are always fully conformant to the “AMWA AS-11 UK DPP” Shims b) Files from Writers will always work correctly with Readers c) Files from Writers will never be rejected by UK Broadcasters d) All modes and features of the product have been tested

Overall ANALYSER - PART 1 (MXF) Result (DPP Test Lab review of OEM supplied test results)	PASS
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PART 1 - MXF Format Tests for File Analysers
For DPP Compliance Testing of PRODUCT to Certification Level

GENERAL DETAILS	
OEM name	Editshare EMEA
Product name	QUALES
Product version	2.14.3
Product Test Plan, or Profile, or Template	Module: AS11 1.0.2 / Template: AS11 UK DPP HD v1.1
Date of tests	31/01/18

OUTPUT TEST ARTIFACTS supplied by the OEM
<p>The following output artifacts were supplied and assessed as part of the test process:</p> <p>Completed MXF File Tests Results for all files in the MXF Format test set, as specified in Part 3 (Results) with all results as expected for a Pass.</p> <p>Example Test Reports for both FAIL and PASS outcomes.</p>

DECLARATION
<p>"I confirm that the information in this report has been completed honestly and is an accurate representation of the results obtained. Also, that these results provide a fair assessment of the product's ability to read and work with AS-11 DPP files in a way reasonably expected for a product of this type and functionality, and that these results were achieved when using the product in a configuration which would reasonably be regarded as normal operational use."</p>

OVERALL PROCEDURE (OEM Testing to Certification, of a new version release)

This test report is for a **new version release** and the **test method** applicable to the original product version is not re-assessed. The 'MXF Format Tests for File Analysers' is assessed by using file testing as below.

A) OEM to follow instructions below for testing PART 1 (MXF)

- a. The OEM will be given a download link for a set of test files for testing the detection of issues for a range of MXF features.
- b. The **PART 3: File Testing and Reporting (for PART 1 & PART 2)** document explains how to record test results for PART 1 (MXF) and/or PART 2 (DM) tests.

B) OEM to email the File Testing Results for P1 (MXF) and P2 (DM) to the DPP: complianceprogramme@digitalproductionpartnership.co.uk

C) The outcome of the review of results for PART 1 and PART 2 will be provided to the OEM. The Test Plan or Test Profile is required to Pass both PART 1 and PART 2 tests.

D) The product also requires "File Reader Tests for Analysers" to have been completed. If the device also includes Writer functionality then "Writer Tests" should also have been completed. All tests must be a 'Pass' or 'Pass with Conditions' in order for the Product Test Report to be issued.

DOWNLOAD OF TEST FILES

PART 1 - TEST FILES (MXF)

A specific URL will allow you to download **PART 1 (MXF)** test files. You should download all PART 1 test files as we require the device being tested for MXF to assess all files in this set.

FILE TESTING INSTRUCTIONS

1. Select the specific **test plan**, or **profile**, or **tick box** of a specific **version** of your product. This should be what someone buying the product can use operationally. **This is what is being tested.**
2. Test every file in the test set, and record the results for each.
3. The recorded information only has to say whether the test plan/profile declares the file a Pass or a Fail.
4. For ease of assessment by the Compliance Programme, the recorded information for each file should ideally be presented as a ***.csv** file, or simply as a comma separated list. This should be arranged with "*File_name,Result*" and continue in that order. For example:

File 1,Pass
File 2,Fail
File 3,Fail
File 4,Pass
File 6,Fail... etc.

5. The list, or csv file should be sent to the DPP along with the other required information, detailed below.

Overall ANALYSER - PART 2 (DM) Result (DPP Test Lab review of OEM supplied test results)	PASS
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**PART 2 - Descriptive Metadata (DM) Validation Tests
 For DPP Compliance Testing of PRODUCT to Certification Level**

6a Table 1 - GENERAL DETAILS (OEM to complete)	
OEM name	Editshare EMEA
Product name	QUALES
Product version	2.14.3
Product Test Plan, or Profile, or Template	Module: AS11 1.0.2 / Template: AS11 UK DPP HD v1.1
Date of tests	31/01/18

6f Output test artifacts supplied by the OEM
<p>The following output artifacts were supplied and assessed as part of the test process: Completed MXF File Tests Results for all files in the MXF Format test set, as specified in Part 3 (Results) with all results as expected for a Pass. Example Test Reports for both FAIL and PASS outcomes.</p>

DECLARATION
<p>"I confirm that the information in this report has been completed honestly and is an accurate representation of the results obtained. Also, that these results provide a fair assessment of the product's ability to read and work with AS-11 DPP files in a way reasonably expected for a product of this type and functionality, and that these results were achieved when using the product in a configuration which would reasonably be regarded as normal operational use."</p>

OVERALL PROCEDURE (OEM Testing to Certification)

A) OEM to follow instructions below for testing **PART 2 (DM)**

PART 2 (DM)

- a. The requirements for Descriptive Metadata testing are described in this document: **PART 2: Descriptive Metadata (DM) Validation Tests**. In particular, Section 5 of the PART 2 document describes the details provided in various files all contained together in a zip file: as_11_ukdpp-dm_conformance-v1.0.0.zip. A download link is provided for this zip file.
- b. A download link is also provided for a set of DM test files which are to be used by the Analyser for testing the detection of a range of DM issues.
- c. The **PART 3: File Testing and Reporting (for PART 1 & PART 2)** document explains how to record test results for PART 1 (MXF) and/or PART 2 (DM) tests.
- d. The results of the file testing (Pass or Fail for each file) should be returned.
- e. The Results will then be reviewed by the CP to determine if the analyser correctly identified each file as a Pass or Fail.

B) OEM to email the File Testing Results for **P2 (DM)** to the DPP: complianceprogramme@digitalproductionpartnership.co.uk

C) The outcome of the review of results for PART 1 and PART 2 will be provided to the OEM. The Test Plan or Test Profile is required to Pass both PART 1 and PART 2 tests.

D) The product also requires "**File Reader Tests for Analysers**" to have been completed. If the device also includes Writer functionality then "**Writer Tests**" should also have been completed. All tests must be a 'Pass' or 'Pass with Conditions' in order for the Product Test Report to be issued.

DOWNLOAD OF TEST FILES

PART 2 - TEST FILES (DM)

A specific URL will allow you to download **PART 2 (DM)** test files, as well as a zip folder containing PART 2 information on required DM tests. You should download all PART 2 test files as we require the device being tested for descriptive metadata to assess all files in this set.

FILE TESTING INSTRUCTIONS

1. Select the specific **test plan**, or **profile**, or **tick box** of a specific **version** of your product. This should be what someone buying the product can use operationally. **This is what is being tested.**
2. Test every file in the test set, and record the results for each.
3. The recorded information only has to say whether the test plan/profile declares the file a Pass or a Fail.
4. For ease of assessment by the Compliance Programme, the recorded information for each file should ideally be presented as a ***.csv** file, or simply as a comma separated list. This should be arranged with "**File_name,Result**" and continue in that order. For example:

File 1,Pass
File 2,Fail
File 3,Fail
File 4,Pass
File 6,Fail... etc.

5. The list, or csv file should be sent to the DPP along with the other required information, detailed below.

Overall READER Result (DPP Test Lab review of OEM supplied test results)	PASS
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FILE READER TEST results - For DPP Compliance Testing of PRODUCT to Certification Level

6a Table 1 - GENERAL DETAILS (OEM to complete)	
OEM name	Editshare EMEA
Product name	QUALES
Product version	2.14.3
Date of tests	Module: AS11 1.0.2 / Template: AS11 UK DPP HD v1.1 06/02/18

6b Table 2 - PRODUCT DESCRIPTION and CAPABILITIES (OEM to complete)	
Brief description of product / product type	Software providing Automated Quality Check The Software can be installed locally or provisioned as a SaaS product.
What are its primary functions in relation to AS-11 UK DPP Reader tests? Please list the main ones.	Compliance check of MXF structure, metadata and content
Does the device read and analyse the MXF file structure of the AS-11 UK DPP file?	Yes
Does the device render both video and audio from the AS-11 DPP file for use by the device?	No
Analyser functionality: Does the device report the outputs from MXF format analysis? If so, how is this presented to the user and/or made available?	The device reports the outputs of the MXF format analysis in the GUI PDF/HTML/PDF Report will reflect whether the format complies with AS 11 DPP HD specifications and indicate what parameters (and values) are not compliant in case of failure
Analyser functionality: Does the device read AS-11 DM (descriptive metadata) and/or UK DPP DM? If so how is this used and displayed?	Yes, the device reads As-11 UK DPP DM and provides a report indicating compliance/uncompliance to AS- 11 UK DPP HD specification. Page 3 of 13 The reports will only show the metadata that is not compliant to the AS-11 UK DPP specification. In case metadata is compliant, only a PASS will be shown. Metadata can be displayed using the GUI, by clicking on the "extended info" icon.
Analyser functionality: Does the device carry out AS-11 UK DPP validation of DM as part of its analyser functionality?	Yes
Analyser functionality: Does the device read AS-11 UK DPP programme segmentation / programme parting? If so how is this used and displayed?	Yes, the device reads AS-11 UK DPP programme segmentation. Programme segmentation information can be displayed when clicking the "extended info" icon
Player functionality <i>if present</i> : Does the device include the ability to render to video on to a display? If so how is this presented to the display?	No, the device does not render video on to a display. Only individual frames are decoded, but there is no player functionality included in the device.
Player functionality <i>if present</i> : Does the device include the ability to decoded audio to outputs suitable for monitoring purposes?	No
Transcode functionality <i>if present</i> : Does the device render the AS-11 DPP video to a different file format (Transcoded) as part of its operation?	No
Transcode functionality <i>if present</i> : Does the device render the video and/or audio contents of AS-11 DPP file to a new AS-11 DPP file (modified or 'corrected') as part of its operation?	No

6f Output test artifacts supplied by the OEM	
The following output artifacts were supplied and assessed as part of the test process: Completed File Reader Tests results for all files in the Reader test set, with all results as expected for a Pass; *.pdf files displaying DM and structural metadata were also supplied for required files in the Reader test set.	

DECLARATION	
7 DECLARATION	The detailed test results for File Reader Tests, and the resulting overall READER result, is based on information provided by the OEM in self testing. When submitting the detailed test results the OEM representative signed the following declaration confirming that they agreed to the statement below. The details were then reviewed by the DPP Test Lab to determine the overall READER result shown at the top of this page.

"I confirm that the information in this report has been completed honestly and is an accurate representation of the results obtained. Also, that these results provide a fair assessment of the product's ability to read and work with AS-11 DPP files in a way reasonably expected for a product of this type and functionality, and that these results were achieved when using the product in a configuration which would reasonably be regarded as normal operational use."