digital production partnership

TEST REPORT No

R1019

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	Rohde & Schwarz DVS GmbH
Product (Note 6)	Clipster
Product Version (Note 6)	5.10
Test Report Date	23 March 2015

OVERALL TESTING RESULT	**PASS WITH CONDITIONS**

HD Test Artifacts Used	
Writer Functionality	**Reader Functionality**
File Conformance Test Suite (F1.2)	File Reader Tests (R1.2, R2.0/2.1/2.2, R3.1)
(Note 1, on next page)	(Note 2, on next page)
F1.2	**R1.2**

Analyser Test Artifacts Used	
MXF Format	**DM Validation**
PART 1 tests A1.1 (MXF)	PART 2 tests A2.1 (MXF)
Documents: See below	Documents: See below
Not Tested	**Not Tested**

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/	**Tested**
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.	**Tested**
File Readers - R2.0, R2.1, R2.2 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.	**Not applicable**
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	**Not applicable**

File Analyser - A2.1 (MXF) 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	**Not applicable**

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	v1.2	05 February 2015	Specific Product and Analyser categories
Template version	v1.1	06 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 individiual test result is a 'Fail' then the overal test result is a 'Fail'.

TEST PROCEDURE - Overview	
Writer Test Procedure	**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 *may* 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. **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. 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. 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.
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	This procedure is concerned with devices whose primary function is File Format Analysis of AS-11 DPP HD files. 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: **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) 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. 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.
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	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 WRITER Result	Pass with Conditions

WRITER SUBMISSION FORM - For DPP Compliance Testing of PRODUCT to Certification Level

The OEM is to complete the following sheet and submit it to the DPP Compliance Programme, together with any output files, for testing to be undertaken.

COMPLETING THE FORM	All required information should be detailed below. Please see the notes section below and also comments (In blue) for guidance on what is requied. Please adjust the size of fields as necessary.

GENERAL	OEM Name	Rohde & Schwarz DVS GmbH
	Product Name	Clipster
	Product Version	5.10

DEVICE OPERATION	Can the product be used to **Write** AS-11 DPP HD files?	Y
	Can the product be used to **Read** AS-11 DPP HD files?	Y (**File Reader Tests** done in a previous step)
	Give details of the **range** of **product features** that were used in writing these test files: from inputs used through to ouput being produced; e.g. ingest; transcode; edit metadata. Details for each individual file submitted should be provided in the table below.	Used Clipster to create the requested test files. The given files can be imported to Bin and then are dragged and arranged in a edit timeline. The input of metadata and creation of the files is guided by a wizard.
	For these product features, please detail the **capabilities**, the and any restrictions on the capabilities	Can read and write AS-11 files according the UK DPP HD and UK DPP SD shims. [DPP Lab note: SD Shim testing is out of scope]

CONFIGURATION	Details of product configuration in order to use the features: for example, output settings.	Set the timeline raster (25 fps) to required output (shim) and set the timeline offset to 09:59:30:00 Files have to be arranged in a timeline including the heading (LineUp and IdentClock). Mark the program parts with reels. Launch the AS-11 Delivery Tool, select shim, fill in the Metadata, and start the creation process.
	Sufficient information must be provided to allow a configuration to be replecated by the test lab.	
	If necessary any detailed configuration settings could be attached as an appendix to this report	

AS-11 DPP FILES		List all AS-11 DPP MXF files submitted for testing, with details?					*DPP LAB USE Result: P, C, F*
New file name	Duration of file (hh:mm:ss:ff)	Number and duration of parts (Segmentation)	Number of audio channels	Source of DPP metdata	Source media used (DPP or OEM supplied in brackets)	Product features used to produce the file	
RandS_Clipster_HD_A.mxf	Approx 10 mins	Single	16	Writer Test Input DM - A	**DPP_Writer_Test_Input_A.mov** (DPP)	DM Text or XML I/p if possible, otherwise manual (please say), complete T/L is from input file.	**Cond Pass**
RandS_Clipster_HD_B.mxf	Approx 10 mins	2 parts	16	Writer Test Input DM - B	**DPP_Writer_Test_Input_B.mov** (DPP) for the first and second parts of the finished programme.	Input media is source file, DM Text or XML i/p if possible, otherwise manual (please say), T/L to be built by product, including, bars, ident clock, black and segmentation timing as per DM. [Note: Use the DM set B to identify the part breaks (segmentation) and build the programme on the timeline with local black/ident between parts.]	**Cond Pass**
RandS_Clipster_HD_C.mxf	Approx 30 mins	Single	4	Any. Manually enter as appropriate.	(1) **DPP_Writer_Test_Input_C.mov** (DPP) for the first part of the timeline, and then (2) **AS11_DPP_HD_EXAMPLE_3** (DPP, from the reader test set of files) for the next part of the timeline. then: **Repeat this sequence up to about 30 mins programme duration.** [see details of TCs in next cell]	DM Manual i/p, AV from multiple files as listed, T/L built by product, as follows: Use input media file (1) DPP_Writer_Test_Input_C.mov for first 4 mins of output programme, and then use the input media file (2) AS11_DPP_HD_EXAMPLE_3 for the next 2 mins of output programme, from the in point at **10:06:44:15** in the source file. **Repeat this sequence up to about 30 mins programme duration. Include part segmentation.** [Note: Local black/ident added between parts.]	**Cond Pass**

NOTES	
Writer Test Procedure	Tests should use the equipment under realistic operational conditions to produce DPP files. The Lab will test that common workflows for the particular equipment under test are capable of producing valid DPP files. We're not out to trick equipment into producing non-conformant files, nor are we interested in testing every possibly configuration a piece of equipment might have. Equipment is not required to produce all allowed variants of AS-11 DPP files. The test Lab is not part of the QA process for product development. We're not testing the equipment's ability to analyse and validate its input. While we encourage OEMs to produce stable equipment that copes well in the presence of faulty input, we're not testing that here. As such, all input artefacts (audiovisual essence, metadata values) will conform to the relevant specifications.
Input artefacts	Different types of equipment will require different types of input.
	Using different input as stimulus will also test different aspects and workflows within the same equipment.
	Input content (files) will be provided by the Lab, as shown above
	Content will be provided in a variety of formats intended to represent likely operational inputs. Not all equipment is expected to utilise all available input artefacts. The variety on offer is designed to support the range of equipment submitted for testing and to excersise the various aspects of that equipment. For instance, a transcoder might behave differently if asked to produce a DPP file from MPEG2 essence, than if asked to do the same from AVC-Intra essence.
	Descriptive metadata (DM) will identify audio track layout and programme segmentation timecodes. The DM does not necessarily match the content of the media.
	SDI
	Equipment may require HD SDI as input. This is sufficiently standardised that it can be sourced locally. All files submitted to the Lab may be used to test other equipment, so content sourced on SDI must be **Royalty Free**.
Output artefacts (DPP files) to be produced	Outputs need to reflect the advertised capabilities of the equipment, and test a range of the (user-configurable, as opposed to developer-configurable) variation allowed by the specification. They should also be representative of real programmes likely to be delivered to broadcasters.
	The following features need to be considered in light of these requirements:
	Duration (30 minutes say, to represent a typical finished programme, and other shorter test files of say 5 to 10 minutes)
	Segmentation or programme parts
	Audio channel count (4, 16 channels)
	Audio track layout
	Other options such as additional data streams, but only if they are advertised in the user interface for AS-11 DPP files
	The number of files required will depend on the functionality of the equipment under test.
	There are no Writer tests that do not result in an AS-11 DPP file.

Document version	v1.1	3/9/14	Second issue - Overall result panel and column added, layout revised

Document Notes

1) This document is now a second issue and will likely change in the future. This will include the revision of existing tests and addition of new ones.

OEM	Rohde & Schwarz DVS GmbH
Product	Clipster
Version	5.10
File	RandS_Clipster_HD_A
File ref	535
Date	20 March 2015

WRITER TESTING: FILE TEST REPORT

Test Result Key

P	**PASS**
W	**PASS with Warning**
C	**PASS with Conditional Error**
F	**FAIL with Critical Error**

	Fault Description	PASS / FAIL	Test	Tool	Error or Warning Category (refer to accompanying notes) Note	
1		P	Test 1	(1) Media Player checks:		media duration
2		P				audio plays ok
3		P				video plays ok
4		P				qty of audio channels
5		P				a/v in sync and same length
6		P	Test 2	(2) DPP Metadata tool		DPP Metadata Validation
7		P	Test 3	(3) mxf2xml validation	c1-12	Mandated DM is present
8		P			c13-36	DM conditional & mandated values in range
9		P			c37-40	Line-up and Ident T/C in range, part T/Cs
10		P			c41	Timecode timebase is 25 fps
11		P			b61, b87	Exactly 1 audio channel in a track
12		P	Test 4 - 6, 8	All the following:	a1	AVC syntax: SMPTE RP 2027:2011 Class 100
13		P	(Misc)	(4) AQC 1	a2	SPS and PPS location
14		P		(5) AQC 2	a34	Invalid idr_pic_id sequence
15		P		(6) mxf analyser	a3-6	Video essence: frame size, 25 fps, interlaced, 10 bit
16		P		(8) AVCi analysis script	a7	Sound Essence Bytes
17		P			a8	Closed Captions
18		P	Tests 4 - 6	All the following:	a12	MXF Conformance
19		P	(MXF)	(4) AQC 1	a13	Op1a
20		P		(5) AQC 2	a14	Header Partition Status
21		P		(6) mxf analyser	a15	KLV Fill following Header Metadata
22		P			a16	Random Index Pack pressence
23		P			a17	KLV Alignment Grid
24		P			a18	Index Table presence
25		P			a19	Index Table location
26		P			a20	Index Table completeness
27		P			a21	Index Table correctness
28		P			a22	Essence Container
29		P			a23	Essence Container Wrapping
30		P			a24	Essence Container Location
31		P			a25	Essence Container Parent Partitions
32		P			a26	Essence Track Referencing
33		P			a27	1 Material Package Picture Track
34		P			a28	Picture Essence Elements Used
35		P			a29	4 or 16 Material Package Sound Tracks
36		P			a30	Sound Essence Elements Used
37		P			a31	Material Package Sound Track Numbers
38		P			a32	1 Material Package Timecode Track
39		P			a33	Footer Presence
39	The property BitRate in the MPEG2VideoDescriptor has the disallowed value of 100000000. Allowed values are: 113766400 [Conditional]	C	Test 7 (Essence Descriptors)	All the following: (7) mxfdump, MXFDump	b1-112	Consolidated Essence Descriptors: Presence and Value
40	The property BitRate should not really be used in the MPEG2VideoDescriptor because: This is not intended for use with AVC. [Warning]	W				

OEM	Rohde & Schwarz DVS GmbH
Product	Clipster
Version	5.10
File	RandS_Clipster_HD_B
File ref	536
Date	20 March 2015

WRITER TESTING: FILE TEST REPORT

Test Result Key

P	**PASS**
W	**PASS with Warning**
C	**PASS with Conditional Error**
F	**FAIL with Critical Error**

	Fault Description	PASS / FAIL	Test	Tool	Error or Warning Category (refer to accompanying notes) Note	
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3		P				video plays ok
4		P				qty of audio channels
5		P				a/v in sync and same length
6		P	Test 2	(2) DPP Metadata tool		DPP Metadata Validation
7		P	Test 3	(3) mxf2xml validation	c1-12	Mandated DM is present
8		P			c13-36	DM conditional & mandated values in range
9		P			c37-40	Line-up and Ident T/C in range, part T/Cs
10		P			c41	Timecode timebase is 25 fps
11		P			b61, b87	Exactly 1 audio channel in a track
12		P	Test 4 - 6, 8	All the following:	a1	AVC syntax: SMPTE RP 2027:2011 Class 100
13		P	(Misc)	(4) AQC 1	a2	SPS and PPS location
14		P		(5) AQC 2	a34	Invalid idr_pic_id sequence
15		P		(6) mxf analyser	a3-6	Video essence: frame size, 25 fps, interlaced, 10 bit
16		P		(8) AVCi analysis script	a7	Sound Essence Bytes
17		P			a8	Closed Captions
18		P	Tests 4 - 6	All the following:	a12	MXF Conformance
19		P	(MXF)	(4) AQC 1	a13	Op1a
20		P		(5) AQC 2	a14	Header Partition Status
21		P		(6) mxf analyser	a15	KLV Fill following Header Metadata
22		P			a16	Random Index Pack pressence
23		P			a17	KLV Alignment Grid
24		P			a18	Index Table presence
25		P			a19	Index Table location
26		P			a20	Index Table completeness
27		P			a21	Index Table correctness
28		P			a22	Essence Container
29		P			a23	Essence Container Wrapping
30		P			a24	Essence Container Location
31		P			a25	Essence Container Parent Partitions
32		P			a26	Essence Track Referencing
33		P			a27	1 Material Package Picture Track
34		P			a28	Picture Essence Elements Used
35		P			a29	4 or 16 Material Package Sound Tracks
36		P			a30	Sound Essence Elements Used
37		P			a31	Material Package Sound Track Numbers
38		P			a32	1 Material Package Timecode Track
39		P			a33	Footer Presence
39	The property BitRate in the MPEG2VideoDescriptor has the disallowed value of 100000000. Allowed values are: 113766400 [Conditional]	C	Test 7 (Essence Descriptors)	All the following: (7) mxfdump, MXFDump	b1-112	Consolidated Essence Descriptors: Presence and Value
40	The property BitRate should not really be used in the MPEG2VideoDescriptor because: This is not intended for use with AVC. [Warning]	W				

OEM	Rohde & Schwarz DVS GmbH
Product	Clipster
Version	5.10
File	RandS_Clipster_HD_C
File ref	537
Date	20 March 2015

WRITER TESTING: FILE TEST REPORT

Test Result Key

P	**PASS**
W	**PASS with Warning**
C	**PASS with Conditional Error**
F	**FAIL with Critical Error**

	Fault Description	PASS / FAIL	Test	Tool	Error or Warning Category (refer to accompanying notes) Note	
1		P	Test 1	(1) Media Player checks:		media duration
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4		P				qty of audio channels
5		P				a/v in sync and same length
6		P	Test 2	(2) DPP Metadata tool		DPP Metadata Validation
7		P	Test 3	(3) mxf2xml validation	c1-12	Mandated DM is present
8		P			c13-36	DM conditional & mandated values in range
9		P			c37-40	Line-up and Ident T/C in range, part T/Cs
10		P			c41	Timecode timebase is 25 fps
11		P			b61, b87	Exactly 1 audio channel in a track
12		P	Test 4 - 6, 8	All the following:	a1	AVC syntax: SMPTE RP 2027:2011 Class 100
13		P	(Misc)	(4) AQC 1	a2	SPS and PPS location
14		P		(5) AQC 2	a34	Invalid idr_pic_id sequence
15		P		(6) mxf analyser	a3-6	Video essence: frame size, 25 fps, interlaced, 10 bit
16		P		(8) AVCi analysis script	a7	Sound Essence Bytes
17		P			a8	Closed Captions
18		P	Tests 4 - 6	All the following:	a12	MXF Conformance
19		P	(MXF)	(4) AQC 1	a13	Op1a
20		P		(5) AQC 2	a14	Header Partition Status
21		P		(6) mxf analyser	a15	KLV Fill following Header Metadata
22		P			a16	Random Index Pack pressence
23		P			a17	KLV Alignment Grid
24		P			a18	Index Table presence
25		P			a19	Index Table location
26		P			a20	Index Table completeness
27		P			a21	Index Table correctness
28		P			a22	Essence Container
29		P			a23	Essence Container Wrapping
30		P			a24	Essence Container Location
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35		P			a29	4 or 16 Material Package Sound Tracks
36		P			a30	Sound Essence Elements Used
37		P			a31	Material Package Sound Track Numbers
38		P			a32	1 Material Package Timecode Track
39		P			a33	Footer Presence
39	The property BitRate in the MPEG2VideoDescriptor has the disallowed value of 100000000. Allowed values are: 113766400 [Conditional]	C	Test 7 (Essence Descriptors)	All the following: (7) mxfdump, MXFDump	b1-112	Consolidated Essence Descriptors: Presence and Value
40	The property BitRate should not really be used in the MPEG2VideoDescriptor because: This is not intended for use with AVC. [Warning]	W				

Overall READER Result (DPP Test Lab review of OEM supplied test results)	PASS

FILE READER TEST results - For DPP Compliance Testing of PRODUCT to Certification Level

6a Table 1 - GENERAL DETAILS (OEM to complete)	
OEM name	Rohde & Schwarz DVS GmbH
Product name	R&S Clipster
Product version	5.10
Date of tests	22-Jan-15

6b Table 2 - PRODUCT DESCRIPTION and CAPABILITIES (OEM to complete)	
Brief description of product / product type	R&S CLIPSTER is mainly used as mastering system for digital content distribution. CLIPSTER can create package formats like DCI / DCP, IMF / IMP and AS 11 DPP
What are its primary functions in relation to AS-11 UK DPP Reader tests? Please list the main ones.	Playout of AS-11 files, including display of metadata. Transcoding into other formats.
Does the device render both video and audio from the AS-11 DPP file for use by the device?	Yes, including 4/ 16 channels of audio
Player functionality: Does the device render to video on to a display? If so how is this presented to the display?	SDI-Link, DVI and HDMI Internal Stream for monitoring
Player functionality: Is audio decoded to outputs suitable for monitoring purposes?	Yes
Transcode functionality: Does the device render the AS-11 DPP video to a different file format as part of its operation?	AS-11 files can be read directly or transcoded into other formats as desired.
Does the device perform a partial file read of video and/or audio?	Yes
Is there a display of media Timecode?	Yes
Does the device read AS-11 DM (descriptive metadata) and/or UK DPP DM? If so how is this used and displayed?	Yes, displayed in Spycer Metadata Tab
Is there any display of programme segmentation / programme parting?	No
Does the product have the capability to jog, shuttle and jump to a new T/C?	Yes

6e NOTES (OEM to complete if there are any other relevant details)

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; *.png screen-grabs were supplied for all files in the Reader test set to show metadata.

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."	