

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 | Adobe |
| Product (Note 6) | Adobe Premiere Pro with Adobe Media Encoder |
| Product Version (Note 6) | CC 2014.1 |
| Test Report Date | 02 October 2014 |

| | |
|-------------------------------|-------------|
| OVERALL TESTING RESULT | PASS |
|-------------------------------|-------------|

| HD Test Artifacts Used | |
|-----------------------------|------------------------|
| Writer Functionality | Reader Functionality |
| File Conformance Test Suite | File Reader Tests |
| (Note 1, on next page) | (Note 2, on next page) |

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| F1.1 | R1.0 |
|-------------|-------------|

| SD Test Artifacts Used | |
|-----------------------------|------------------------|
| Writer Functionality | Reader Functionality |
| File Conformance Test Suite | File Reader Tests |
| (Note 1, on next page) | (Note 2, on next page) |

| | |
|-------------------|-------------------|
| 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. http://www.amwa.tv/projects/rules/as-11/ | Tested |
| File Readers - 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, Descriptive Metadata and Programme Parting/Segmentation information. It is not a requirement that products should have all possible functionality. Products are only tested for the features that they have. | Tested |
| File Readers - 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 |

| AMWA CERTIFICATION AUTHORITY |
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| 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 |

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| Template version | v1.0 | 09 September 2014 | Release version |
|------------------|------|-------------------|-----------------|

| NOTES | |
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| 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. 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.</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. |
| 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 | |
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| 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 |



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| Overall WRITER Result | PASS |
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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.

| | |
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| 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 required. Please adjust the size of fields as necessary. |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| | | | | | | | |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|--------------|---------------------|-----------------|-----------|
| GENERAL | <table border="1" style="width: 100%;"> <tr> <td style="width: 30%;">OEM Name</td> <td>Adobe Systems</td> </tr> <tr> <td>Product Name</td> <td>Adobe Media Encoder</td> </tr> <tr> <td>Product Version</td> <td>CC 2014.1</td> </tr> </table> | OEM Name | Adobe Systems | Product Name | Adobe Media Encoder | Product Version | CC 2014.1 |
| OEM Name | Adobe Systems | | | | | | |
| Product Name | Adobe Media Encoder | | | | | | |
| Product Version | CC 2014.1 | | | | | | |

| | | |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| DEVICE OPERATION | Can the product be used to Write AS-11 DPP HD files? | Yes |
| | Can the product be used to Read AS-11 DPP HD files? | Yes |
| | Give details of the range of product features that were used in writing these test files: from inputs used through to output being produced; e.g. ingest; transcode; edit metadata. Details for each individual file submitted should be provided in the table below. | Import; Edit Metadata; Encode |
| | For these product features, please detail the capabilities , the and any restrictions on the capabilities | Wide variety of file formats for import; Full metadata support; |

| | | |
|----------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONFIGURATION | Details of product configuration in order to use the features: for example, output settings. | User must provide line-up and slate, then select the AS-11 encode preset |
| | Sufficient information must be provided to allow a configuration to be replicated by the test lab. | [Test lab note: Details of the operation configuration required to make AS-11 DPP files is appended to this report, in the form of an Guide for "AS-11 File Creation in Adobe Premiere Pro and Media Encoder"] |
| | 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, W, F |
|------------------------------|-----------------------------------|-------------------------------------------------------------------|-----------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| New file name | Duration of file (hh:mm:ss:ff) | Number and duration of parts (Segmentation) | Number of audio channels | Source of DPP metadata | Source media used (File name or SDI) (DPP or OEM supplied in brackets) | Product features used to produce the file | |
| ADOBE_b122_HD_A.mxf | Approx 10 mins | Single | 16 | Writer Test Input DM - A | DPP_Writer_Test_Input_A.mov (DPP) | DM XML I/p if possible, otherwise maual (please say), complete T/L is from file: Combination of Adobe Premiere Pro CC 2014 and Adobe Media Encoder CC 2014. Manual metadata entry (cut/paste) | PASS |
| ADOBE_b122_HD_B_newaudio.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. | DM Manual i/p, T/L to be built by product, 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 black/ident between parts.]: Combination of Adobe Premiere Pro CC 2014 and Adobe Media Encoder CC 2014. Manual metadata entry (cut/paste) | PASS |
| ADOBE_b122_HD_C_newaudio.mxf | Approx 30 mins | Single | 4 | Any. Manually enter as appropriate. | DPP_Writer_Test_Input_C.mov (DPP) for the first part of the timeline, and then 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, T/L built by product, as follows: DPP_Writer_Test_Input_C.mov (DPP) for first 4 mins, and then use the AS11_DPP_HD_EXAMPLE_3 for the next 2 mins: Combination of Adobe Premiere Pro CC 2014 and Adobe Media Encoder CC 2014. Manual metadata entry (cut/paste) | PASS |
| | | | | | | | |

| NOTES | |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Writer Test Procedure | <p>Tests should use the equipment under realistic operational conditions to produce DPP files.</p> <p>The Lab will test that common workflows for the particular equipment under test are capable of producing valid DPP files.</p> <p>We're not out to trick equipment into producing non-conformant files, nor are we interested in testing every possible configuration a piece of equipment might have.</p> <p>Equipment is not required to produce all allowed variants of AS-11 DPP files.</p> <p>The test Lab is not part of the QA process for product development.</p> <p>We're not testing the equipment's ability to analyse and validate its input.</p> <p>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.</p> |
| Input artefacts | <p>Different types of equipment will require different types of input.</p> <p>Using different input as stimulus will also test different aspects and workflows within the same equipment.</p> <p>Input content (files) will be provided by the Lab, as shown above</p> <p>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 exercise 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.</p> <p>Descriptive metadata (DM) will identify audio track layout and programme segmentation timecodes. The DM does not necessarily match the content of the media.</p> <p>SDI</p> <p>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.</p> |
| Output artefacts (DPP files) to be produced | <p>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.</p> <p>The following features need to be considered in light of these requirements:</p> <p>Duration (30 minutes say, to represent a typical finished programme, and other shorter test files of say 5 to 10 minutes)</p> <p>Segmentation or programme parts</p> <p>Audio channel count (4, 16 channels)</p> <p>Audio track layout</p> <p>Other options such as additional data streams, but only if they are advertised in the user interface for AS-11 DPP files</p> <p>The number of files required will depend on the functionality of the equipment under test.</p> <p>There are no Writer tests that do not result in an AS-11 DPP file.</p> |

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| 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. | | | |

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| 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

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|-------------------------------------------------------|--------------------|
| 6a Table 1 - GENERAL DETAILS (OEM to complete) | |
| OEM name | Adobe Systems |
| Product name | Adobe Premiere Pro |
| Product version | CC 2014.1 |
| Date of tests | 03/09/2014 |

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| 6b Table 2 - PRODUCT DESCRIPTION and CAPABILITIES (OEM to complete) | |
| Brief description of product / product type | NLE for Windows and Mac |
| What are its primary functions in relation to AS-11 UK DPP Reader tests? Please list the main ones. | AS-11 is a fully supported native file format ready for editing |
| Does the device render both video and audio from the AS-11 DPP file for use by the device? | Yes |
| Player functionality: Does the device render to video on to a display? If so how is this presented to the display? | Yes, on computer and output hardware |
| 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? | No. Native import; no intermediate format is required to be used. But, can transcode if desired. |
| Does the device perform a partial file read of video and/or audio? | No. |
| 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. Metadata panel. |
| 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 |

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| 6e NOTES (OEM to complete if there are any other relevant details) |
| Error in Timecode reporting of AS-11 files has now been resolved (CC 2014.1 in Sept 2014) ["Notes" in this report amended by the DPP Test Manager, 30 Sept 2014] |

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| DECLARATION | |
| 7 DECLARATION | <p>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.</p> <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> |

AS-11 File Creation in Adobe Premiere Pro and Media Encoder

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Introduction

This guide is designed to help you create DPP-compliant AS-11 files using Adobe Premiere Pro and Media Encoder.

Creating a Single-Parted AS-11 Program

Using Adobe Media Encoder

Use this method when your source already contains all the appropriate video and audio elements, such as correct timecode, line-up, and slate.

Importing Source Material

1. Open Adobe Media Encoder (2014.1).
2. From the File menu, choose "Add Source".

Applying Export Settings

3. Select your source file and click "Open".
4. In the Format drop-down menu choose "AS-11".
5. In the Preset drop-down menu choose "DPP AS-11 HD".
6. Click on the Output hot text and give your file a name and select the appropriate output destination.
7. Click on the Preset hot text to open the Export Settings dialog.
8. If you wish to export more than 4 channels of audio, select the Audio tab and choose the "16 channel" option.
9. In the Preview window, verify the starting timecode is 9:59:30:00.
10. Scroll through your video and verify the presence of the appropriate line-up and slate.
11. If your program should end before the last frame of your video, move the CTI (Current Time Indicator) to the last desired frame and press the "Set Out Point" button.

Adding Metadata

12. Click on the Metadata button.
13. Scroll to the bottom of the list of available schemas. There you will find 3 schemas related to AS-11 metadata.
14. Expand the AS-11 Core schema and input the necessary metadata. Fields marked with an (*) are required by the AS-11 spec.
15. Expand the AS-11 UK DPP schema and input the necessary metadata. Fields marked with an (*) are required by the AS-11 spec.
16. Expand the AS-11 Structural schema and input the necessary metadata. Fields marked with an (*) are required by the AS-11 spec.

Starting the Encode

17. Click "OK" to close this dialog then click "OK" again to close the Export Settings dialog.
18. Click the green triangle in the upper right corner of the Queue panel to start your encode.

Using Adobe Premiere Pro

Use this method when your source is missing some of the appropriate video and audio elements, such as correct timecode, line-up, and slate.

Creating the Project

1. Open Adobe Premiere Pro (2014.1)
2. In the Welcome screen, choose "New Project"
3. Give your project a name, location, and adjust any other settings relevant to your setup. Click "OK".

Importing Source Material

4. From the File menu, choose "Import...".
5. Select your source file and click "Import".

Creating a Sequence

6. From the File menu, choose New > Sequence.
7. Create a sequence using one of the supplied presets or one of your own custom settings. Click "OK".
8. Click on the wing menu for the new sequence and choose "Start Time...".
9. Set the new start time to "09:59:30:00" and click "OK".
10. In the new sequence add 20 seconds of line up. You can use your own or create one in Premiere Pro by selecting File > New > HD Bars and Tone...
11. Starting at 9:59:50:00, add 7 seconds of slate, including your countdown clock. While the slate can be created in Premiere Pro (File > New > Title...), you will need to provide your own clock.
12. At 9:59:57:00, add 3 seconds of black video (File > New > Black Video...).
13. At 10:00:00:00, add your program content.

Adding Segmentation Markers (optional)

The default segmentation is a single program from 10:00:00:00 to the end of your content. As this is only a single-parted program, no markers are required. However, you may add a segmentation marker if you like.

14. Place the CTI (Current Time Indicator) at 10:00:00:00 and select Marker > Add Marker.
15. Double-click on the new marker to open the Marker dialog.
16. Adjust the Duration of the marker to match the duration of your program.
17. Change the marker type to "Segmentation Marker" and click "OK".

Adding Metadata

18. If not already visible, open the Metadata panel (Window > Metadata).
19. Click on the Metadata panel's wing menu and choose "Metadata Display..."
20. Add the "AS-11 Core", "AS-11 UK DPP", and "AS-11 Structural" metadata schemas by checking them. Click "OK" to close the dialog.
21. Scroll to the bottom of the list of available schemas. There you will find the 3 schemas you added.
22. Expand the AS-11 Core schema and input the necessary metadata. Fields marked with an (*) are required by the AS-11 spec.
23. Expand the AS-11 UK DPP schema and input the necessary metadata. Fields marked with an (*) are required by the AS-11 spec.
24. Expand the AS-11 Structural schema and input the necessary metadata. Fields marked with an (*) are required by the AS-11 spec.

Exporting the Sequence

25. Select your sequence in the Project panel and then select File > Export > Media...
26. In the Format drop-down menu choose "AS-11".
27. In the Preset drop-down menu choose "DPP AS-11 HD".
28. Click on the Output hot text and give your file a name and select the appropriate output destination.
29. If you wish to export more than 4 channels of audio, select the Audio tab and choose the "16 channel" option.
30. Select "Export".

Creating a Hard-Parted AS-11 Program

Using Adobe Media Encoder

It is not currently possible to create a multi-part AS-11 file using only Adobe Media Encoder. To perform this task you will first need to set up a sequence using Premiere Pro (see below).

Using Adobe Premiere Pro

Use this method to create a program that is hard-parted with more than one part.

Creating the Project

1. Open Adobe Premiere Pro (2014.1)
2. In the Welcome screen, choose "New Project"

3. Give your project a name, location, and adjust any other settings relevant to your setup. Click "OK".

Importing Source Material

4. From the File menu, choose "Import...".
5. Select your source file(s) and click "Import".

Creating a Sequence

6. From the File menu, choose New > Sequence.
7. Create a sequence using one of the supplied presets or one of your own custom settings. Click "OK".
8. Click on the wing menu for the new sequence and choose "Start Time...".
9. Set the new start time to "09:59:30:00" and click "OK".
10. In the new sequence add 20 seconds of line up. You can use your own or create one in Premiere Pro by selecting File > New > HD Bars and Tone...
11. Starting at 9:59:50:00, add 7 seconds of slate, including your countdown clock. While the slate can be created in Premiere Pro (File > New > Title...), you will need to provide your own clock.
12. At 9:59:57:00, add 3 seconds of black video (File > New > Black Video...).
13. At 10:00:00:00, add your program content for the first part.
14. At the end of the first program part, add the required amount of black video as defined by the broadcaster.
Note: A minimum of 1 second between parts is required.
15. At the end of the black video, add your program content for the second part.
16. Repeat this process until you have added all required program parts.

Adding Segmentation Markers

17. Place the CTI (Current Time Indicator) at the beginning of your first part (10:00:00:00).
18. Select Marker > Add Marker.
19. Double-click on the new marker to open the Marker dialog.
20. Adjust the Duration of the marker to match the duration of your program.
21. Change the marker type to "Segmentation Marker" and click "OK".
22. Move the CTI to the beginning of the next part and repeat steps 18-21 for each program part in your sequence.

Adding Metadata

23. If not already visible, open the Metadata panel (Window > Metadata).
24. Click on the Metadata panel's wing menu and choose "Metadata Display..."
25. Add the "AS-11 Core", "AS-11 UK DPP", and "AS-11 Structural" metadata schemas by checking them. Click "OK" to close the dialog.
26. Scroll to the bottom of the list of available schemas. There you will find the 3 schemas you added.
27. Expand the AS-11 Core schema and input the necessary metadata. Fields marked with an (*) are required by the AS-11 spec.

28. Expand the AS-11 UK DPP schema and input the necessary metadata. Fields marked with an (*) are required by the AS-11 spec.
29. Expand the AS-11 Structural schema and input the necessary metadata. Fields marked with an (*) are required by the AS-11 spec.

Exporting the Sequence

30. Select your sequence in the Project panel and then select File > Export > Media...
31. In the Format drop-down menu choose "AS-11".
32. In the Preset drop-down menu choose "DPP AS-11 HD".
33. Click on the Output hot text and give your file a name and select the appropriate output destination.
34. If you wish to export more than 4 channels of audio, select the Audio tab and choose the "16 channel" option.
35. Select "Export".

Additional Notes

Note: By default, exporting an AS-11 file will produce an XMP sidecar file. This file is not part of the AS-11 specification and is not required. You can safely delete this file.