

TECHNICAL SUPPLEMENT FOR DPP AS-11 FILE PRODUCTION METADATA



DPP Requirements for Production Metadata

This delivery supplement details the DPP metadata requirements.

Metadata is the name for all the information which is not the audio or video essence, but which is required to ensure that contents of the file can be identified correctly.

Descriptive metadata is usually added manually by the producer of the file. This includes information, which will be read by the users of the file to identify the material and use the appropriate parts for further operations. It will include the titles and ID numbers for the programme, and the allocations of the audio tracks present.

1. AS-11 UK DPP SD and HD Metadata completion

1.1. Delivery Requirements in MXF

Metadata within the principal MXF file must be as described by the AS-11 DPP specification and must correctly reflect the material contained in the file.

Descriptive metadata must be included in the relevant metadata tracks within the file.

1.2. UK DPP Metadata application

Metadata within the principal MXF file must be as described by the AS-11 DPP specification and must correctly reflect the material contained in the file.

Descriptive metadata must be included in the relevant metadata tracks within the file.

The DPP Metadata App can be down loaded from [here](#).

Field Name	Definition	Required	Example
Programme Identification			
Series Title	The final name of a "group" of episodes to which the meme belongs. These episodes have a shared identification and branding and are linked by common characters, subject matter, style or story.	Required	<i>Family – Series 2</i>
Episode Title / Episode No	The final name of the programme used to identify it as an editorially distinct member of a series / season (in other words: an "episode"). This name may include a number (or consist only of a number) indicating the position of the episode within the series / season.	Required	<i>Episode 3 – Fire</i>
Programme Title	The final name of the programme including details of any specific purpose for which this programme was created (in other words: "version" information).	Required	<i>Episode 3 Pre-watershed</i>
Production Number	A unique number used to identify an individual programme version.. Also known as Clock Number, Programme number or Material ID. The commissioning broadcaster will inform you of their required number.	Required	<i>DRIB111P/01</i>
Synopsis	A brief descriptive summary of the programme. Note: this is NOT used for EPG for billings	Required	<i>An eventful day for all the residents of the house.</i>
Genre	A single style or category describing the whole programme.	Optional	<i>Drama</i>
Completion Date	The date on which the programme file was completed ready for delivery to the broadcaster.	Required	<i>01 02 2016</i>
Copyright Year	The full year in which one of the following occurred or will occur: completion of the production of the programme; delivery of the completed file to the broadcaster; transmission of the delivered programme.	Required	<i>2016</i>
Originator	The name of the person or organisation responsible for creating the programme.	Required	<i>Production Company</i>
Distributor	The name of the person or organisation responsible for supplying the programme to the broadcaster.	Optional	<i>Production Company</i>
Contact Email	The email address for the person or organisation responsible for supplying the programme file to the broadcaster.	Required	<i>john@tvcompany.co.uk</i>
Contact telephone number	The telephone number for the person or organisation responsible for supplying the programme file to the broadcaster.	Required	<i>+44 123 456 7890</i>

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Other Identifier	Any other type of identifier e.g. ISAN or EIDR number, contract number, costing number or UMID.	Optional	
Other Identifier Type	This field is required if "Other Identifier" is used Description of Other Identifier, e.g. ISAN or EIDR number, costing number or contract number.	Conditional	ISAN EIDR
Programme Technical and Parting			
Picture Ratio	The ratio of the display width to the display height of the smallest rectangle that completely contains (throughout the duration of the entire programme) the region of the video frame used for "programme content" (where "programme content" includes all pictures, captions, etc. but excludes any black bars).	Required	4:3 (1.33:1) 14:9 (1.55:1) 15:9 (1.66:1) 16:9 (1.78:1) 16:65:9 (1.85:1) 21:9 (2.33:1) 21.69:9 (2.40:1)
AFD	Active Format Description code, used to describe the intended display aspect ratio of the material. '9' indicates 4:3, '10' indicates shot and protected for 16:9 only, '14' indicates shot and protected for 14:9	Required	9 10 14
PSE	Status of any flashing and pattern analyser test carried out on the material for Photo Sensitive Epilepsy	Required	YES NO NOT TESTED
PSE Manufacturer	This field is required if "PSE" is Pass or Fail Product used to carry out the PSE testing.	Conditional	[FPA]
PSE Version	This field is required if "PSE" is Pass or Fail Version of algorithm used to carry out the PSE analysis.	Conditional	[V4.3]
Loudness Standard	The Audio Loudness Specification to which the maker of the programme intended the finished (ready for transmission) audio content to comply	Required	None EBU R128
Total Programme Duration	The sum of the durations of all the parts / segments in the entire programme.	Required	00:59:02:00
Line-up start	The timecode at which the line-up test signals begin.	Required	09:59:30:00 09:58:00:00 (legacy)
Ident/Clock Start	The timecode at which the initial "ident" / slate / countdown clock begins.	Required	09:59:50:00 09:59:30:00 (legacy)
Part number	Indicates the number of the first 'hard' part in this file.	Required	1,2,3
Part Total	The total number of parts in the programme	Required	1,2,3
Part SOM	Start of Media. Timecode for the first frame of the part	Required	10:00:00:00
Part Duration	Duration of the part as a SMPTE timecode	Required	00:29:58:00
Total Number Parts	This denotes the total no. of hard parts contained within the file. Hard parting is where a programme is delivered as parts separated by black (and or idents) within a file	Required	1,2,3
Audio Track Layout	Code in accordance with EBU R123 and R48 SD = 4 channel only. HD – 4 channel unless surround sound or additional language present	Required	R 48: 2a (4 ch. Only) R 123: 4b (4 ch. Only) R 123: 4c (4 ch. Only) R 123: 16c (16 ch. Only) R 123: 16d (16 ch. Only) R 123: 16f (16 ch. Only)
RDD6 Dolby VAC	This field is only required if "R123 16C" is used	Conditional	From xml
3D	The presence of "Is 3D" indicates that the file contains video intended for stereoscopic rendition.	Required	None Side By Side Top Bottom Left Eye Right Eye
In Vision Access Services			
Open Captions Present	Open Captions Present indicates that the programme contains visible (in-vision) subtitling information.	Required	No Hard of Hearing Translation

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Open Captions Language	This field is required if "Open Captions" are present Indicates the primary language of the in vision subtitles. <i>Use ISO 639.2 values</i>	Conditional	<i>zxx (none), eng, ita, wel, etc.</i>
Signing Present	Signing Present indicates that the programme contains visible (in-vision) signing.	Required	Yes No <i>Signer Only</i>
Signing Language	This field is required if "Signing" present This describes the type of sign language used within the programme. E.g. BSL, ASL, Makaton.	Conditional	<i>BSL (British Sign Language)/ BSL (Makaton)</i>
Programme Content Details			
Product Placement	A flag to indicate whether the programme contains "product placement".	Required	Yes / No
Text less Elements Exist	A flag to indicate whether the programme contains "text-less elements" after the end of the main me content.	Required	Yes / No
Programme Text	The presence of Programme Has Text indicates that the main programme content contains text overlays (or similar) in the video.	Required	Yes / No
Programme Text Language	This field is required if "Programme Text" is yes Primary text language used in the programme. <i>Use ISO 639.2 values</i>	Conditional	<i>zxx (none), eng, ita, wel, etc.</i>
Video Comments	A description of the subjective quality of the video in the programme including notes on any global characteristics or video treatments.	Optional	<i>E.G. Aspect ratio changes on archive content</i>
Audio Comments	A description of the subjective quality of the audio in the programme including notes on any global characteristics or audio treatments.	Optional	<i>E.G. Occasional audio clicks on archive content</i>
Primary Audio Language	Primary language used in the main sound track of the programme. <i>Use ISO 639.2 values</i>	Required	<i>zxx (none), eng, ita, wel, etc.</i>
Secondary Audio Language	Secondary language used in the main sound track of the programme. <i>Use ISO 639.2 values</i>	Conditional	<i>zxx (none), eng, ita, wel, etc.</i>
Tertiary Audio Language]	Third language used in the main sound track of the programme. <i>Use ISO 639.2 values.</i>	Conditional	<i>zxx (none), eng, ita, wel, etc.</i>

2. AS-11 X1 DPP UHD Metadata

Below are the required fields with example information only. Please speak to your broadcaster about UHD Programmes.

Fields (Italics) are examples only.

Field Name	Definition	Required	Example
<i>DPP UHD AS-11 X1 XML</i>			
Identifiers (At least one Identifier must be included)			
<i>Identifier_Value</i>	The identifier itself	Required	<i>PGMID</i>
<i>Identifier_Type</i>	The type of identifier in Identifier_Value. Examples include broadcaster ID, Production Number, ISAN, EIDR, and UMID	Required	<i>DPP broadcaster ID IDER ID</i>
<i>Identifier_Authority</i>	The entity responsible for issuing the identifier	Optional	<i>DPP broadcaster IDER</i>
Programme Domain Specific Metadata			
<i>Title_1</i>	The final name of a "group" of episodes to which the meme belongs. These episodes have a shared identification and branding and are linked by common characters, subject matter, style or story.	Required	<i>Family – Series 2</i>
<i>Title_2</i>	The final name of the programme used to identify it as an editorially distinct member of a series / season (in other words: an "episode"). This name may include a number (or consist only of a number) indicating the position of the episode within the series / season.	Required	<i>Episode 3 – Fire</i>
<i>Title_3</i>	The final name of the programme including details of any specific purpose for which this programme was created (in other words: "version" information).	Required	<i>Episode 3 Pre-watershed</i>
Synopsis	A brief descriptive summary of the programme.	Required	<i>An eventful day for all the residents of the house.</i>
Genre	A single style or category describing the whole programme.	Optional	<i>Drama</i>
Completion_Date	The date on which the programme file was completed ready for delivery to the broadcaster.	Required	<i>2016-11-13</i>
Copyright_Year	The full year in which one of the following occurred or will occur: completion of the production of the programme; delivery of the completed file to the broadcaster; transmission of the delivered programme.	Required	<i>2016</i>
Originator	The name of the person or organisation responsible for creating the programme.	Required	<i>BBC Studios</i>
Distributor	The name of the person or organisation responsible for supplying the programme to the broadcaster.	Optional	<i>BBC</i>
Contact_Email	The email address for the person or organisation responsible for supplying the programme file to the broadcaster.	Required	<i>john@bbc.co.uk</i>
Contact_Telephone_Number	The telephone number for the person or organisation responsible for supplying the programme file to the broadcaster.	Required	<i>+44 123 456 7890</i>
Picture_Ratio	The ratio of the display width to the display height of the smallest rectangle that completely contains (throughout the duration of the entire meme) the region of the video frame used for "programme content" (where "programme content" includes all pictures, captions, etc. but excludes any black bars).	Optional	<i>Full Frame</i>
Product_Placement	A flag to indicate whether the programme contains "product placement".	Optional	<i>Yes</i>

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Textless_Elements_Exist	A flag to indicate whether the programme contains "text-less elements" after the end of the main me content.	Optional	Yes
Programme_Has_No_Text or Programme_Has_Text	The presence of Programme_Has_Text indicates that the main programme content contains text overlays (or similar) in the video.	Required	<i>Programme Has Text</i> Programme Text Language: <i>eng</i>
Total_Programme_Duration	The sum of the durations of all the parts / segments in the entire programme.	Required	<i>00:59:02:00</i>
Line_Up_Start	The timecode at which the line-up test signals begin.	Required	<i>09:59:30:00</i>
Ident_Clock_Start	The timecode at which the initial "ident" / slate / countdown clock begins.	Required	<i>09:59:50:00</i>
Is_Not_Three_D or Is_Three_D	The presence of Is_Three_D indicates that the file contains video intended for stereoscopic rendition.	Required	<i>Is Not 3D</i>
In Vision Access Services			
Open_Captions_Not_Present or Open_Captions_Present	The presence of Open_Captions_Present indicates that the programme contains visible (in-vision) subtitling information.	Required	<i>Open Captions Present</i> Caption Language: <i>en</i> Caption Type: <i>Translation</i>
Signing_Not_Present or Signing_Present	The presence of Signing_Present indicates that the programme contains visible (in-vision) signing.	Required	<i>Signing Present</i> Signing Language: <i>ase</i> Signing Type: <i>Signer with programme</i>
Content Details			
Video_Comments	A description of the subjective quality of the video in the programme including notes on any global characteristics or video treatments.	Optional	<i>Some video noise throughout as a result of using archive content</i>
Audio_Comments	A description of the subjective quality of the audio in the programme including notes on any global characteristics or audio treatments.	Optional	<i>Some audio clicks throughout as a result of using archive content</i>
Audio_Loudness_Specification	The Audio Loudness Specification to which the maker of the programme intended the finished (ready for transmission) audio content to comply	Required	<i>EBU R128</i>
Compliance_To_Specification_Is_Not_Achieved or Compliance_To_Specification_Is_Achieved	The presence of Compliance_To_Specification_Is_Achieved indicates that the finished (ready for transmission) audio content complies with the indicated Audio Loudness Specification	Required	<i>Compliance To Specification Is Achieved</i>
Programme_Loudness_Value	The "Programme Loudness Value" in LUFS as measured in accordance with the indicated Audio Loudness Specification. This is intended to give an indication of the degree to which the content deviates from the indicated Audio Loudness Specification, rather than a precise measurement of the loudness of the content.	Optional	<i>-23.1</i>