



Television Broadcast Engineering
 UHD Ingest Master File Format
 Revision: 0.0.2 2017-03-07
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 Approved By:

UHD - XAVC MXF

General:

Format: MXF
 Commercial name: XAVC
 Format version: 1.3
 Format profile: OP-1a
 Format settings: Closed / Complete
 Index Table: Yes
 Random Index Pack: Present
 Writing application:
 Telestream Inc. Telestream Media Framework

Video:

Format: AVC
 Format profile: High 4:2:2 Intra@L5.1
 Format settings, GOP: N=1
 Width: 3840
 Height: 2160
 Aspect Ratio: 16:9
 Bitrate: 300.0 Mbps (± 5Mbps) Constant
 Frame Rate: 29.970 (30000/1001) fps
 Color Space: YUV
 Standard: Component
 Chroma Subsampling: 4:2:2
 Bit Depth: 10 Bits
 Scan Type: Progressive
 GOP, Open/Closed: Closed
 Color Primaries: BT.709

Audio:

Format: PCM
 Endianness: Little
 Wrapping Mode: Frame (AES)
 Channels per Track: 2 Channels
 Sample Rate: 48.0 KHz
 Bit Depth: 24 Bit

Audio Layouts:

Stereo:

Stereo Pair:	Content:
1	Full Mix (L&R)
2	Full Mix <u>or</u> Full Mix w/ DV (L&R)

Stereo with D&E or M&E:

Stereo Pair:	Content:
1	Full Mix (L&R)
2	Full Mix <u>or</u> Full Mix w/ DV (L&R)
3	Mute
4	Mute
5	Mute
6	Dialog (L) & Effects (R) <u>or</u> M&E (L&R)

Surround (5.1) Content:

Stereo Pair:	Content:
1	Full Mix (L&R)
2	Full Mix <u>or</u> Full Mix w/ DV (L&R)
3	Left & Right
4	Center & LFE
5	Left Surr. & Right Surr.

Surround (5.1) Content with D&E or M&E:

Stereo Pair:	Content:
1	Full Mix (L&R)
2	Full Mix <u>or</u> Full Mix w/ DV (L&R)
3	Left & Right
4	Center & LFE
5	Left Surr. & Right Surr.
6	Dialog (L) & Effects (R) <u>or</u> M&E (L&R)

Timecode:

MXF Timecode in both Source and Material Package.

Timecode track start times must match.

Closed Captioning:

Closed Captioning should be provided as an SCC (Scenarist Closed Captions) file. SCC timecode must match source MXF file.