

HD - Delivery

QuickTime container for video/audio as *.mov file

min. Apple ProRes 422 (HQ) or Avid DNxHD/HR codec

min. 1920x1080

For HD release (e.g. Blu-ray Disc) in PAL region (e.g. Europe) : 23.976p, 24p, 25p/i, 29.97p/i, 50p/i, 59.94p/i

For HD release (e.g. Blu-ray Disc) in NTSC/Worldwide region (e.g. USA) : 23.976p, 24p, 29.97p/i, 59.94p/i

For SD release (e.g. DVD) in PAL region (e.g. Europe) : **23.976p***, **24p***, 25p/i, 50p/i

For SD release (e.g. DVD) in NTSC/Worldwide region (e.g. USA) : 23.976p, 24p, 29.97p/i, 59.94p/i

4:2:2 chroma sampling

ITU-R BT.709 color space

Native HD/frame rate only, Video must be provided in the frame rate and resolution in which it was produced

Delivery of telecine material allowed in case of NTSC region release only

*** Material will be processed by PAL speed-up**

SD - Delivery

QuickTime container for video/audio as *.mov file

min. Apple ProRes (HQ) or Avid DNxHD/HR codec

NTSC 720x480

PAL 720x576

For SD release (e.g. DVD) in PAL region (e.g. Europe) : **23.976p***, **24p***, 25p/i, 50p/i

For SD release (e.g. DVD) in NTSC/Worldwide region (e.g. USA) : 23.976p, 24p, 29.97p/i, 59.94p/i

ITU-R BT.709 color space

4:2:2 chroma sampling

All content have to be in an aspect ratio (PASP) of 4:3 or 16:9, according to the source material

*** Material will be processed by PAL speed-up**

Audio - Delivery

If possible, the audio tracks should be included in the QuickTime video container

Any other alternative audio track should be supplied in a separate audio-only QuickTime container or discrete WAV file(s)

If the delivered 5.1 surround sound isn't suitable for Stereo downmixing, an additional native stereo sound is required

Surround (5.1) Uncompressed L-PCM, minimum 16 Bit, minimum 48 kHz

Stereo (2.0) Uncompressed L-PCM, minimum 16 Bit, minimum 48 kHz

Audio channel mapping

All audio channels in the QuickTime container needs to be tagged correctly

The following options are allowed:

	5.1 Surround Channels						Stereo Channels	
	L	R	C	LFE	LS	RS	Lt	Rt
Option 1	Track 1 – 6 Channels						Track 2	Track 3
	L R C LFE LS RS						Lt	Rt
Option 2	Track 1	Track 2	Track 3	Track 4	Track 5	Track 6	Track 7	Track 8
	L	R	C	LFE	LS	RS	Lt	Rt
Option 3	Track 1 – 6 Channels						Track 2 – 2 Channels	
	L R C LFE LS RS						Lt Rt	
Option 4	Track 1	Track 2	Track 3	Track 4	Track 5	Track 6	Track 7 – 2 Channels	
	L	R	C	LFE	LS	RS	Lt Rt	
Option 5							Track 1	Track 2
							L	R
Option 6							Track 1-2 Channels	
							L R	

Subtitles

If the title of the movie does not correspond to the language spoken in the territory in which the movie should be published, the title needs to be translated via forced narratives

All spoken parts in a movie that do not correspond with the language spoken in the territory in which the movie should be published, should be translated via forced narratives

All written parts in a movie that do not correspond with the language spoken in the territory in which the movie should be published, should be translated via forced narratives (e.g. ten years ago)

All subtitles (full subtitles and forced narratives) should be delivered as separate EBU-STL files and should be equal in design, style, font, fontsize and all other technical parameters. They must conform to the common subtitling guidelines

The timecodes and content of the forced narratives must be fully included in the full subtitle track. They need to match exactly

General Information

Content should contain a sequence of 1 second black frames at the beginning and at the end of program

All material needs to be delivered contemporaneous and without any issues to press9