

High Definition File Deliverable Specifications

(North America)



DEDICATED TO INDEPENDENT
POST PRODUCTION

Picture

Native frame rate of content, matching one of the following formats:

Codec:	Apple ProRes 422 HQ	Frame Rate:	23.976
Aspect Ratio:	16:9	Raster:	1920x1080p
Sampling:	4:2:2	Field Order:	progressive

Codec:	Apple ProRes 422 HQ	Frame Rate:	29.97
Aspect Ratio:	16:9	Raster:	1920x1080i
Sampling:	4:2:2	Field Order:	top/upper first

Codec:	Apple ProRes 422 HQ	Frame Rate:	59.94
Aspect Ratio:	16:9	Raster:	1280x720p
Sampling:	4:2:2	Field Order:	progressive

Layout: 5 seconds slate, followed by 2 seconds black, followed by content, NO extra frames
Slate: Include Ad-ID or other content identifier w/ "H" for high definition content
Levels: RGB signals > 0 mV and < 700mV
Title Safe: 90% within 4x3 center crop area or 90% of 16x9 area if specifically noted (SMPTE RP 2046-2)
Timecode: NDF

Audio

Codec: PCM	Sample Rate: 48kHz	Bit Depth: 24-bit
Level: -24 LKFS ATSC a/85 RP	True Peak: < -2dB FS ITU-R BS. 1770-3	

Stereo Channel Assignment (exported as stereo pair, unless dual mono is specifically intended):

1:left 2:right

Surround 5.1 Channel Assignment (exported as 8 mono channels with VO on Ch 3):

1:left 2:right 3:center 4:lfe 5:left surr 6:right surr 7:left total 8:right total

(First 7 seconds of slate and silence are not part of LKFS measurement)

File Naming

Ad-ID or other content identifier (no additional characters) with "H" and file extension at the end.

example: ABCD0001000H.mov

Closed Captioning (optional)

Supplied as an embedded QuickTime closed caption track

Must have frame rate of 29.97 fps (23.98 fps currently is not supported).

Must be selected in metadata of distribution company or otherwise communicated.

First caption should either "pop-on" after one second of content or "paint-on" after four frames of content.

These specs have been approved and endorsed by the ANA, 4A's, NABA/DPP and IAB Tech Lab to align the industry on a common deliverable. Be advised that AICE is currently collaborating with industry leaders to define a new specification that will supersede this one.

Standard Definition File Deliverable Specifications (North America)

Picture

Native frame rate of content, matching one of the following formats:

Codec:	Apple ProRes 422 HQ	Frame Rate:	29.97
Aspect Ratio:	4:3	Raster:	720x486i
Sampling:	4:2:2	Field Order:	bottom/lower first

Codec:	Apple ProRes 422 HQ	Frame Rate:	23.976
Aspect Ratio:	4:3	Raster:	720x486p
Sampling:	4:2:2	Field Order:	progressive

Layout: 5 seconds slate, followed by 2 seconds black, followed by content, NO extra frames

Slate: Include Ad-ID or other content identifier

Levels: RGB signals > 0 mV and < 700mV

Title Safe: 90% viewing area (SMPTE RP 2046-2)

Timecode: NDF

Audio

Codec: PCM	Sample Rate: 48kHz	Bit Depth: 24-bit
------------	--------------------	-------------------

Level: -24 LKFS ATSC a/85 RP	True Peak: < -2dB FS ITU-R BS. 1770-3
------------------------------	---------------------------------------

Stereo Channel Assignment (exported as stereo pair, unless dual mono is specifically intended):

1:left 2:right

(First 7 seconds of slate and silence are not part of LKFS measurement)

File Naming

Ad-ID or other content identifier (no additional characters) with file extension at the end.

example: ABCD0001000.mov

Closed Captioning (optional)

Supplied as an embedded QuickTime closed caption track

Must have frame rate of 29.97 fps (23.98 fps currently is not supported).

Must be selected in metadata of distribution company or otherwise communicated.

First caption should either "pop-on" after one second of content or "paint-on" after four frames of content.