



In order for Syncro Services to process and deliver your content correctly, it is required that your files conform to the following specifications. If these specifications are not met, delays may result and content may be rejected.

In the case of revised uploads please add "**_rev(revision number)**" e.g. ISCI_rev1.mov

Layout:

- 8 seconds of slate, with countdown starting at 10.
- 2 seconds of black, with 2 pop.
- Spot must begin on the first frame of the 10th second: (frame 300 @ 29.97 fps, frame 240 @ 23.98fps).
- At least one second of black after end of spot.

← 8 sec. Slate → 2 sec. Black ← Content example → 1 sec. Black

Correct File Durations for Common Spot Lengths

| | |
|-----------------|---|
| 15 second spot: | 26 second file, (780 frames @ 29.97, 623 frames @ 23.98). |
| 30 second spot: | 41 second file, (1230 frames @ 29.97, 983 frames @ 23.98). |
| 45 second spot: | 56 second file, (1680 frame @ 29.97, 1343 frames @ 23.98). |
| 60 second spot: | 71 second file, (2130 frames @ 29.97, 1703 frames @ 23.98). |

Audio:

- All audio levels must be CALM act compliant. Target loudness should be -24 LKFS. Variations of approximately ± 2 db are acceptable.

File Name:

- File name should include only ISCI code, with no spaces or special characters.
- If HD, the ISCI code/filename must end in "H"

*Please refer to individual format pages, for detailed file specification requirements.



Description Requirements

Video

| | |
|------------------------------|---|
| Container | .mov |
| Frame Size | 1920 x 1080 |
| Frame Rate | 23.976 (preferred) or 29.97 |
| Bit Rate | 220 Mbps |
| Field Order | 23.976= None / 29.97= Upper Field First |
| Accepted IRE | -5 to 110 |
| range Black Level | 0% / 0mv |
| White Level | 100% / 700mV |
| Aspect Ratio | 16:9 |
| Title Safe / Center Cut 4:3 | SMPTE RP 218 |
| Title Safe / Center Cut 16:9 | SMPTE RP 2046-1 |

Audio 2 Channels

| | |
|------------------|---------|
| Channel Layout | Stereo |
| Channel 1 | Left |
| Channel 2 | Right |
| Bit Depth Sample | 16, 24 |
| Rate Minimum | 48khz |
| Bit Rate Audio | 192kbps |
| Codec | PCM |

Audio 8 Channels

| | |
|------------------|-----------------------|
| Channel Layout | Surround |
| Channel 1 | Left |
| Channel 2 | Right |
| Channel 3 | Center |
| Channel 4 | Low Frequency Effects |
| Channel 5 | Left Surround |
| Channel 6 | Right Surround |
| Channel 7 | Stereo Left |
| Channel 8 | Stereo Right |
| Bit Depth | 16, 24 |
| Sample Rate | 48khz |
| Minimum Bit Rate | 384kbps |
| Audio Codec | PCM |



Description

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HD Apple ProRes 422HQ HD Apple ProRes 422HQ

212-273-0500

333 7th Ave NY NY 10001 www.syncroservices.com



| <u>Description</u> | <u>Requirements</u> |
|--------------------|---------------------|
|--------------------|---------------------|

Video

| | |
|-----------------------------|-------------------|
| Container | .mov |
| Frame Size | 720x486 |
| Frame Rate | 29.97 |
| Field Order | Lower Field First |
| Accepted IRE range | -5 to 110 |
| Black Level | 7.5 IRE |
| White Level | 100 IRE |
| Aspect Ratio | 4:3 |
| Title Safe / Center Cut 4:3 | SMPTE RP 218 |

Audio 2 Channels

| | |
|------------------|---------|
| Channel Layout | Stereo |
| Channel 1 | Left |
| Channel 2 | Right |
| Bit Depth | 16, 24 |
| Sample Rate | 48khz |
| Minimum Bit Rate | 192kbps |
| Audio Codec | PCM |

8 Bit Uncompressed



| <u>Description</u> | <u>Requirements</u> |
|--------------------|---------------------|
|--------------------|---------------------|

Video

| | |
|-----------------------------|-------------------|
| Container | .mov |
| Frame Size | 720x486 |
| Frame Rate | 29.97 |
| Field Order | Lower Field First |
| Accepted IRE range | -5 to 110 |
| Black Level | 7.5 IRE |
| White Level | 100 IRE |
| Aspect Ratio | 4:3 |
| Title Safe / Center Cut 4:3 | SMPTE RP 218 |

Audio 2 Channels

| | |
|------------------|---------|
| Channel Layout | Stereo |
| Channel 1 | Left |
| Channel 2 | Right |
| Bit Depth | 16, 24 |
| Sample Rate | 48khz |
| Minimum Bit Rate | 192kbps |
| Audio Codec | PCM |

SD Apple ProRes 422HQ