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**2020 Creative Delivery Specifications**

All creatives should be delivered as ‘cut to time’, free of any slates, countdowns, or added black leading into start of video. Audio/Video should start at first frame.

Preferred Methods of Delivery:

Mezzanine files meeting the specifications below should be sent to the Fox Digital team via Fox Box or ISCIs sent to Extreme Reach or Comcast Adstor

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| Video Codecs: | \* Apple ProRes 422 HQ (preferred) \* H.264 |
| Bit-rate: | 15-30 Mbps (preferred)  |
| Bit-rate mode: | Constant Bit Rate (CBR) Only |
| File Formats: | MPEG-4 (.mp4) |
| Max File Size | 10Gb |
| Resolution: | (Native Preferred) 1920x1080 and 1280x720 |
| Scanning: | Progressive |
| Frame Rate:  | 23.98, 25 or 29.97 (native preferred) |
| Profile/Level: | \* ProRes HQ Codec (preferred)\* H.264 - Main Profile @ Main Level (MP@ML)  |
| Color Space: | 4:2:2 |
| Display Aspect Ratio: | 16:9 |
| Audio Codec: | PCM or AAC Codec – 2 Channel Only |
| Bit Rate / Bit Depth: | 192 kbps minimum - 16 or 24 bit only |
| Audio Sample Rate | 48kHz |
| Average Loudness -LKFS | -24 to -28 - (With Dialogue Normalization set at -24) |
| Dialogue Normalization | -24 to -28 |