

LIONSGATE QC – August 20, 2021

For LIONSGATE we are generally required to do a master broadcast QC or Runtime of picture and 2.0 TV full mix with a spot check of the 5.1 if present. (If TV mix not available the Theatrical stereo Mix). Most Lionsgate content is pre-release and may be codenamed. The file will be used for home entertainment purposes for most European territories, so we need to be super vigilant for picture and audio artefacts and errors. (See Content QC SOP).

WHERE SPECIFIED, CONTENT WILL REQUIRE THE LIONSGATE CELESTIAL LOGO (SEE NEXT PAGE) TO BE ADDED TO THE HEAD OF THE FEATURE.

Generally, a new file would have been made with the Lionsgate logo starting on the hour. But if the logo is early (before the hour) then it is not a fail as the logo is added keeping source timecode the same. PLEASE FYI (This is the same with Broadcast and Runtimes).

The 'Broadcast QC' type is used for Lionsgate. Check the file name and confirm it matches the work order, then open the file in MediaInfo. Spec below:

Lionsgate standard file delivery is ProRes(HQ).

VIDEO

FORMAT:	ProRes(HQ)
PROFILE:	4:2:2 or 4:4:4 (video range)
BITRATE	+100Mbps
FRAME HEIGHT AND WIDTH:	1920 x 1080 / 3840 x 2160
FRAME RATE:	23.98/24/25/50i/29.97/59.94
SCAN TYPE:	Progressive / Interlace

AUDIO

LINE UP:	-20dBFS/-18dBFS
FORMAT:	PCM
BIT RATE:	1152kbps (dependent on discrete or multiplexed)
BIT DEPTH:	24bit
SAMPLE RATE:	48 kHz

- No Audio EBU R128 is required for Broadcast or Runtimes
- Let bookings know if Full Range Video is detected before continuing with the QC.
- Text should remain within 16:9 90% title safe
- List all Textless. All textless and clean graphic material should be provided after feature
- Please ensure the textless is properly checked and that it covers all texted / subtitled sections.
- Any audio clipping should be graded 3.
- Audio channels should be discrete and NOT grouped/multiplexed i.e. one stream per track
- "Flashing images – Images likely to cause a seizure: **Client to decide if PSE required**"
- If you spot a fault on any of the audio tracks that we do not QC, mention the fault in the forwarding email and not on the QC report
- Refer to client is a Grade 2

Standards Conversion and Mixed Frame Rate Acquisition

Production partners must shoot, edit, and master programs and their elements in the single frame rate stated in the Program Deliverables Exhibit of their contract. If partners have footage that is archival or historic and are unable to avoid using footage with different frame rates, then they must only use the highest quality conversion techniques and hardware to convert between frame rates.

Video Levels

HD and UHD programs and elements with an ITU-R BT.709 gamut must not have video levels above 700 millivolts (mv) or below 0 mv. Luminance levels must not fall below 0 mv or rise above 700 mv. Color difference signals (R-Y, B-Y) must not rise above 700 mv or fall below 0 mv when measured with a 350 millivolt offset. In a 4:4:4 RGB format the RGB components (R',G',B') must not have levels that exceed 700 mv or fall below 0 mv.

Gamma

Production partners must master HD and UHD programs and elements using the standard opto-electrical transfer function (OETF), primaries, and colorimetry for the ITU-R BT.709 color space.

THIS IS THE REQUIRED LIONSGATE CELESTIAL LOGO



THIS IS THE OLD LIONSGATE HERO LOGO



An example of Broadcast QC Comments:

QC of picture, English stereo full mix on channels 1&2. Feature is 4.4.4 but not full range. Lionsgate logo starts before the hour. New feature, generally good quality throughout, with some heavy noise, grain, compression artefacts, banding, solarization and dead pixels. Good contrast and color fidelity. Frequent instances of refracted light / lens flare, etc - Stereo audio is generally good quality with minor issues like ticks and pops. Stereo full mix not tested for R128. Frequent dialogue is generally subtitled, but some instances of commonly-used phrases are not, as some shots with dialogue are obvious through context. All texts are within 90% caption safe. Textless elements at tail for main title, opening title sequence and end credits.

Example of Broadcast fail comments

Failed: Line Up is EBU Bars and -18dBFS tone (File is 23.98), Spelling mistakes, Dead Pixels, Drop outs. Processing errors, fixes, H&V Blanking changes, Banding, solarisation, Crew equipment in shot. Line count starts at line 983 for the Lionsgate Logo this includes most of the title sequence and low light shots / bottom frame edge may look a bit fuzzy. Most other shots starts at line 984 – Textless material is more evident with noticeable V-blanking changes. This is referred even though this can vary by one line.

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An example of Runtime QC Comments:

Runtime QC of picture, English stereo mix on Channels 1/2 and 11/12 (LT/RT Mix), spot checked Channels 5-10 (5.1).

File is 4:2:2 . New feature. Video levels are legal & within EBU TX parameters. Lionsgate logo starts before the hour. Generally good quality throughout, with some heavy noise in places, grain, compression artefacts, banding, solarization. Feature contains minor video issues like raised blacks, camera shake, jump cuts, Lens flare, trapped light artefacts. Stereo audio is generally good quality with some minor ticks, pops and atmos noise. Stereo mix not tested for R128. All text within 90% caption safe. End credits have vignetting which is creative, however the end credits are 16x9 full frame. Textless elements at tail for main title, opening title sequence and end credits.

How to write runtime Fail comments example

00:59:39:00 - Color banding on LIONS GATE logo. 01:00:23:10 – Solarization on logo “Film4”
01:12:28:12 - Boom mic reflection in the glass window at left side. - M-L.
01:18:06:22 – Banding /Quantization is frozen throughout the background sky.
01:32:59:01 – Pixel dropout on the cupboard.
02:31:09:21 - Dirt/pixel drop out on man’s coat
02:55:59:09 - End credits are 1.78 Full Frame instead of 2.39 Letter Box.