



Netflix · IMF App #2E — UHD SDR

Netflix branded delivery master: IMF Application #2E, 3840×2160, JPEG 2000, RGB 4:4:4 full range, 10-b...

FILE	NocturneRiver_S01E03_OV_UHD_SDR_en-US
MEDIA	SMPTE IMF · Nocturne River - S01E03 - OV UHD SDR · 3840×2160 · 24.000 fps · 2ch
PROJECT	Nocturne River — S01E03
OPERATOR	J. Votka
SPEC DOC	Netflix Post Production Branded Delivery Specifications (captured 2026-07-29)
CATALOG	v2 (updated 2026-08-07)
PROVENANCE	All 29 rules verified against published documentation
NOTES	Original-version UHD SDR master, conformed from the graded EXR sequence. IMF wrapped for Netflix branded delivery.

INCOMPLETE

Some parameters could not be read from the file

11 pass 0 warn 0 fail 6 unread 12/12 manual

	PARAMETER	EXPECTED	FOUND
VIDEO			7 pass · 2 unread · 2/2 manual
PASS	Image essence 4k IMF Single Tile Lossy Profile Mainlevel 6 Sublevel 3 (max 800 Mbit/s) at 30 fps and below; Mainlevel 7 Sublevel 4 (max 1600 Mbit/s) above 30 fps.	JPEG 2000	JPEG 2000
DONE	JPEG 2000 profile / bitrate... 4k IMF Single Tile Lossy Profile Mainlevel 6 Sublevel 3 (max 800 Mbit/s) at 30 fps and below; Mainlevel 7 Sublevel 4 (max 1600 Mbit/s) above 30 fps. Not read from the descriptor — confirm against your encoder settings.	Manual check	—
PASS	Width	3840	3840
PASS	Height	2160	2160
PASS	Frame rate Netflix requires video delivered at its native frame rate — the original capture and editing rate. 3:2 pulldown is explicitly forbidden.	23.976 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60 fps	24.000
PASS	Frame structure Progressive, monoscopic.	Progressive	Progressive
PASS	Colour encoding RGB / 4:4:4 / Full Range.	4:4:4	4:4:4
PASS	Bit depth	10 bit	10
UNREAD	Head black One (1) second of format black and silence at head. The ±0.2 s window is Checkpoint's measurement tolerance, not a Netflix allowance.	0.8–1.2 s	—
UNREAD	Tail black One (1) second of format black and silence at tail. The ±0.2 s window is Checkpoint's measurement tolerance, not a Netflix allowance.	0.8–1.2 s	—

DONE	Original aspect ratio	Manual check	—
Netflix will not accept a 4x3 version when a 16x9 version was originally created.			
AUDIO			2 pass · 2 unread · 3/3 manual
PASS	Sample rate	48000 Hz	48000
PASS	Audio bit depth	24 bit	24
DONE	Audio virtual tracks	Manual check	—
CPL carries 1 image virtual track. Atmos: 1 IAB virtual track, plus an optional 6-channel surround track and an optional 2-channel stereo track. 5.1: 1 surround virtual track (L/R/C/LFE/Ls/Rs), plus an optional 2-channel stereo			
UNREAD	Dialogue loudness	-29 to -25 LKFS	—
Netflix specifies -27 LKFS ±2 LU, ITU-R BS.1770-1 DIALOG-GATED. Checkpoint measures programme-integrated BS.1770 loudness, which is not the same measurement — treat this as indicative and confirm with a dialog-gated			
UNREAD	True peak	-100 to -2 dBTP	—
5.1 and 2.0: do not exceed +18 dBu (-2 dBFS) maximum true-peak level over a reference of -20 dBFS. For Atmos, Netflix recommends true-peak limiters on all beds and objects at -2.3 or lower.			
DONE	Stereo fold-down	Manual check	—
Provide a Lo/Ro or Lt/Rt mix — Lo/Ro preferred — and it must be mono compatible. Downmixing from 5.1: lower Centre by -3 dB into both L and R, lower Surrounds by at least -3 dB, optionally include LFE between -8 and -12			
DONE	Atmos frame-rate support	Manual check	—
Atmos delivered in IMF (IAB) supports 23.976, 24, 25 and 30 fps only. Ignore if the package carries no IAB track.			
COLOR			2 unread · 1/1 manual
UNREAD	Colour primaries	Rec.709	—
SDR colorimetry: ITU-R BT.709 / D65 / ITU-R BT.1886 (Gamma 2.4).			
UNREAD	Transfer (EOTF)	ITU-R BT.1886 (Gamma 2.4)	—
DONE	RGB / Full Range	Manual check	—
Colour encoding is specified as RGB / 4:4:4 / Full Range. Checkpoint reads the subsampling but not the RGB-vs-YCbCr signalling or the range flag — confirm in your encoder.			
TIMECODE			1/1 manual
DONE	29.97 / 59.94 segment length	Manual check	—
The total number of frames in a 29.97 or 59.94 IMF CPL Segment must be divisible by 5. Ignore at other frame rates.			
WRAPPER / CONTAINER			1 pass
PASS	Package standard	SMPTE	SMPTE
IMF Application #2E per SMPTE ST 2067-21:2016, ST 2067-21:2020 or ST 2067-21:2023. Packages containing immersive sound must additionally comply with SMPTE ST 2067-201:2019.			
CAPTIONS & SUBTITLES			1/1 manual
DONE	No burned-in subtitles	Manual check	—
No burned-in subtitled dialog, regardless of the language in the primary video.			

ANCILLARY / DELIVERABLES

1/1 manual

DONE**No commercial blacks or sla...** Manual check

—

Video must not contain commercial blacks, colour bars, bumpers, advertisements, slates, ratings cards, FBI warning cards, VITC time code, placards, overlay branding or website link callouts.

DELIVERY

1 pass · 3/3 manual

PASS**ASSETMAP / PKL / CPL pres...** all present**Yes**

Structure read from the package folder. Checkpoint does not verify asset hashes — run Netflix's own Photon/IMF validator before hand-off.

DONE**Long-play, single delivery** Manual check

—

Content must be delivered as long-play and cannot be split into multiple deliveries.

DONE**Source uncensored** Manual check

—

Source material must be uncensored.

DONE**PSE compliance** Manual check

—

PSE (photosensitive epilepsy) compliance testing must be performed for all animated content. Ignore for live action.