

PREPARED FOR DEMONSTRATION (NO CLIENT) · DELIVERY TO NETA FILE SUBMISSION
REQUIREMENTS (2025)

Tears of Steel – Demonstration master

Demonstration report – a test master built from the open film Tears of Steel ((CC) Blender Foundation | mango.blender.org, CC BY 3.0) with faults introduced on purpose; every value was measured by ClearedQC

CLIENT Demonstration (no client)	SPECIFICATION NETA File Submission Requirements (2025)	DATE 19 September 2026
MASTER TOS_DEMO_MASTER.mxf · 3,591,257,703 bytes · MD5 6f6cf8bb3ccd7e44b79ac5f6bf758860		
CAPTIONS TOS_DEMO_MASTER_captions_v2.scc · 10,512 bytes · MD5 6335acee11570c7d646da992501a1163		

NOT YET CLEARED · QC STATUS: REJECTED

8 of 9 items need attention

6 fail (grade 3), 2 warnings (grade 2) · 1 pass — see the items marked below

Not run in this check: caption placement on the picture; accuracy and completeness against the soundtrack.

How to read this report. Each row sets the value measured in the file against the value required.**Pass** — meets the requirement.**FYI** — for information; no effect on compliance.**Grade 1** — minor, against a captioning convention; fixing is advised, not required.**Grade 2 · Warning** — borderline, or outside an engineering guideline (such as the PBS TOS) rather than a published requirement; fixing is recommended.**Grade 3 · Fail** — does not meet the distributor's published requirement; must be fixed before delivery.

Grades follow the 1–3 scale common in broadcast QC reports.

Fault log

Every issue in this report, in timecode order — the list to work through in the timeline. The tables below are the evidence for each one.

TIMECODE	TYPE	DESCRIPTION	GRADE
Whole file	Caption	File name matches the video — TOS_DEMO_MASTER_captions_v2.scc	✗ Fail grade 3
Whole file	Caption	Bytes with wrong parity — 6 bytes with even parity In the .scc: lines 27, 31	✗ Fail grade 3
01:00:52:01	Caption	Lines over 32 characters — 43 characters on one line: “Look Celia, we have to follow our passions;”	✗ Fail grade 3
01:00:57:25	Caption	Lines on screen — 4 rows on screen	✗ Fail grade 3
01:01:03:01	Caption	Clear pulse (EDM) at the head — frame 1891 of the programme	○ Warning grade 2
01:01:04:01	Caption	Captions too short to read — on screen 0.40 s	○ Warning grade 2
01:05:21:01	Caption	Caption timing — Captions from 01:05:21:01 to 01:05:31:16 appear about 2 s after the line is spoken (planted); the rest follow the dialogue	✗ Fail grade 3
01:12:45:06	Caption	Captions outside the programme — after the programme ends	✗ Fail grade 3
01:12:48:06	Caption	Captions outside the programme — after the programme ends	✗ Fail grade 3
—	Caption	Reading speed — 4 above 25 characters per second (convention)	Grade 1
—	Caption	Gap between captions — 23 with no blank frame between them (convention)	Grade 1

Closed captions — embedded (SMPTE 436M ANC)

REQUIREMENT	EXPECTED	MEASURED	STATUS
Embedded caption track (ANC)	None: captions travel in the .scc sidecar	None	✓ Pass

Sidecar delivery: the .scc must carry exactly the same file name as the video and the same start timecode (NETA 2025).

Closed captions — sidecar .scc

REQUIREMENT	EXPECTED	MEASURED	STATUS
File name matches the video	TOS_DEMO_MASTER.scc (NETA 2025)	TOS_DEMO_MASTER_captions_v2.scc	✗ Fail grade 3

REQUIREMENT	EXPECTED	MEASURED	STATUS
Lines over 32 characters	0 — the CEA-608 grid is 32 columns	1 lines over 32 characters	✗ Fail grade 3
Lines on screen	1–3 lines, 2 preferred (NETA 2025)	1 caption with more than 3 lines (max 4)	✗ Fail grade 3
Captions too short to read	long enough to read (NETA 2025; FCC 47 CFR §79.1(j)(2)) — under 0.90 s flagged for review	1 under 0.90 s on screen — check they can be read	○ Warning grade 2
Reading speed	convention, for reference	4 above 25 characters per second (convention)	Grade 1
Gap between captions	convention, for reference — not a NETA requirement	23 with no blank frame between them (convention)	Grade 1
Bytes with wrong parity	0 — CEA-608 requires odd parity	6 bytes with even parity	✗ Fail grade 3
Captions outside the programme	0 — all inside the programme; .scc timecode matches the video (NETA 2025)	2 outside the programme	✗ Fail grade 3
Clear pulse (EDM) at the head	at the first frame — PBS TOS 2026 §6.5 recommends it; not a NETA 2025 requirement	frame 1891 of the programme	○ Warning grade 2

608 byte pairs read: 1699 captions decoded: 78
 first at 01:00:50:01 last at 01:12:48:06

Timecoded correction list

Captions over 2 rows — NETA 2025 allows up to 3 lines; only captions with more than 3 must change

01:00:54:01 3 rows

01:01:05:25 3 rows

01:06:14:01 3 rows

Gap between captions — convention, for reference; not a required fix

01:00:52:01 0 frame(s)

01:00:54:01 0 frame(s)

01:00:57:25 0 frame(s)

01:01:01:16 0 frame(s)

```
01:01:08:01 0 frame(s)
01:01:09:07 0 frame(s)
01:03:40:01 0 frame(s)
01:03:48:16 0 frame(s)
01:03:50:16 0 frame(s)
01:04:11:16 0 frame(s)
01:04:13:01 0 frame(s)
01:04:28:16 0 frame(s)
01:04:32:01 0 frame(s)
01:06:14:01 0 frame(s)
01:06:28:01 0 frame(s)
01:06:33:16 0 frame(s)
01:06:41:01 0 frame(s)
01:06:50:01 0 frame(s)
01:06:54:01 0 frame(s)
01:06:56:01 0 frame(s)
01:06:57:16 0 frame(s)
01:07:37:01 0 frame(s)
01:08:51:01 0 frame(s)
```

Bytes with wrong parity

```
line 27 word 526f byte 0x6F
line 27 word 626f byte 0x6F
line 27 word 74a7 byte 0x74
line 31 word 6973 byte 0x69
line 31 word 2069 byte 0x69
line 31 word 7072 byte 0x72
```

Reading speed — convention, for reference; not a required fix

```
01:01:04:01 42.5 chars/s
01:01:05:25 26.8 chars/s
01:01:08:01 35.8 chars/s
01:09:25:01 26.0 chars/s
```

Captions checked on the picture

REQUIREMENT	EXPECTED	MEASURED	STATUS
Caption timing	Within ± 1 second of the spoken word (NETA 2025)	Captions from 01:05:21:01 to 01:05:31:16 appear about 2 s after the line is spoken (planted); the rest follow the dialogue	✗ Fail grade 3

Judgement, not measurement: each note says where the reviewer looked or listened.

How these figures were taken. The caption data in the file itself, decoded byte by byte: the .scc sidecar and any embedded CEA-608 track (parity, characters per row, rows on screen, display time, gaps and reading speed), set against the video's start timecode and running time. Expected values follow CEA-608 and the distributor's

published delivery requirements (NETA File Submission Requirements (2025)); where neither sets a number, the row says it is a convention, for reference.

This report describes the file as received. It does not certify caption accuracy under 47 CFR §79.1, which rests with whoever authored the captions.

Technical evaluation by Cleared for Air with ClearedQC 2026.09.1 (NETA 2025 test plan) · 19 September 2026 · report CFA-20260919-DEMO-CC

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DEMONSTRATION