telestream Qualify

About This Release

This release expands Qualify's automated QC coverage with new **EBU STL Compliance Validation, Audio Snap detection, AS-10 Validation, Caption/Subtitle Case Checks** and deeper **MXF Metadata analysis.** It also improves core features with **Harding PSE** support for **Vertical Video**, enhanced **MPEG-2 Macroblock Detection, Audio-Only Timecode Track Detection** in MOV/MP4**, improved Subtitle/Caption Sync Accuracy** and **AV1 Video Codec Support.**

Engine Version: **2026.3.1**

EDC Release Date: **July 30, 2026**

Telestream Cloud Release Date: **Not released on this platform**

Qualify for Vantage Release Date**: Not released on this platform**

New Features

- **EBU STL (EBU Tech 3264) Compliance Validator**

  Qualify now includes an **EBU STL Compliance (Tech 3264)** subtitle test for binary .STL files. The test validates GSI header structure, TTI blocks, timecodes, character sets, subtitle numbering, positioning, extension blocks, user data, and count consistency. Results are reported as **Pass**, **Pass with Warnings**, or **Fail**, with detailed findings including block, field, byte offset, expected and actual values and a clear operator-friendly message. This helps customers catch non-compliant legacy STL files early and reduce downstream ingest or subtitle display issues.

- **Audio Snap (Upcut) Detection**

  Qualify now includes an **Audio Snap Detection** test to identify abrupt, unintentional audio terminations that can cause pops, clicks, or jarring transitions. The test analyses waveform discontinuities, non-zero-crossing cuts and channel-specific snaps across stereo and surround audio. Configurable sensitivity settings help tune detection for different content types, with timeline markers reported at millisecond precision for fast review and correction.

- **AS-10 Validation**

  Qualify now includes first-class **AS-10 (MXF for Production)** compliance checking for MXF files. The new validation profile checks AS-10 structural, metadata, essence, track, descriptor, partition, timecode, and timeline constraints, helping identify interoperability issues before ingest, edit, playout, or archive.

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- **Case Detection for Characters in Captions and Subtitles**

  Qualify now includes a **Caption/Subtitle** test to detect excessive all-uppercase text in caption and subtitle files. The test calculates uppercase usage across the full caption file, supports a configurable maximum percentage threshold and allows users to define acronyms to ignore, such as broadcaster names, product terms or expected abbreviations.

- **MXF Dark Metadata**

  Qualify now includes new MXF Dark Metadata validation checks. These tests inspect MXF files for the presence, absence, identifiers, structure, counts and linkage of Dark Metadata, with configurable rules for required, forbidden, allowed and blocked metadata**.**

Improved In This Release

- **Harding PSE Support for Vertical Video**

  Qualify now supports Harding PSE analysis for vertical video, including common 9×16 formats such as 1080×1920 and 720×1280. Vertical files are automatically rotated for Harding analysis while preserving the original orientation in the PDF reports, and reported metadata.

- **Improved Macroblock Error Detection in MPEG-2 Syntax Checks**

  Qualify now provides improved **Macroblock Error Detection** under video syntax checks, helping identify macroblock-related decode issues in MPEG-2 content.

- **Timecode Track Detection for Audio-Only MOV/MP4**

  Qualify now detects QuickTime timecode tracks in audio-only MOV and MP4 files. This allows track count and timecode validation checks to confirm that audio-only deliverables include the required tmcd timecode track.

- **Subtitle/Caption Sync Improvements**

  Qualify includes improved **Subtitle Sync** and **Caption Sync** analysis for more accurate shift, drift, and confidence results. Updates include better filtering of non-spoken cues and sound effects, improved best-fit alignment to reduce the impact of outliers and fixes for occasional inaccurate subtitle/audio splits based on template timecodes.

- **AV1 Video Codec Support**

  Qualify now supports video decoding for AV1 input files.

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Fixed In This Release

- Media Demux Decode Frame does not show Error level in the report
- Subtitle Sync Out Of Memory Exception
- Letterboxing Test - Black Line Detection not catching intentional black line changes
- PSE Proprietary - Saturated red was not enabled
- “Letterboxing Test” detection produces false positives

** The Legacy PDF Report Design will be deprecated from the next release (2026.4). No action is needed as all templates will automatically move to the latest PDF Report Design.

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