



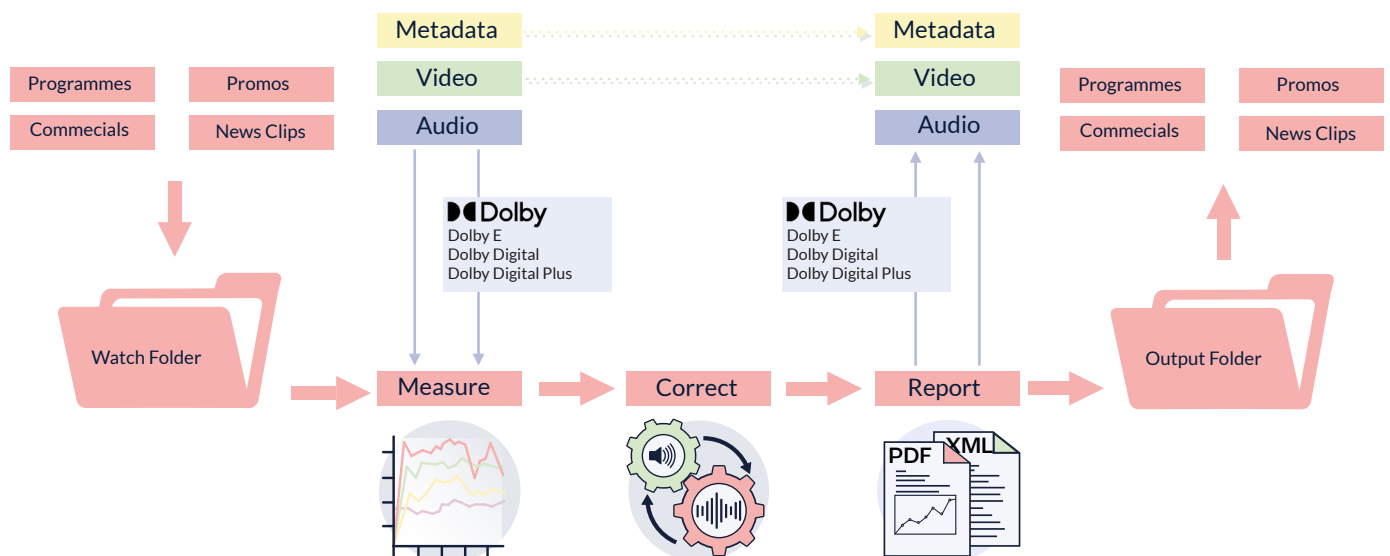
**File-Based
Audio Processing for Content Delivery**

Eff works in three clear stages: Measurement, Correction and Reports

Measure – Eff provides a comprehensive range of measurements - Program Loudness, Short Term, Momentary Loudness, Loudness Range, True Peak, PPM and VU.

Correct – Program Loudness correction uses global attenuation; True Peak correction uses carefully applied local attenuation. This form of processing ensures that the quality of the creative mix is retained.

Report – The GUI displays metadata, analysis results and together with graphs and logs clearly indicate where and how the files have failed. Additionally PDF reports with graphs, and XML log files can be generated.



Eff Operation

- Works with MXF, QuickTime MOV.
- Supports PCM, Dolby Digital, Dolby Digital Plus & Dolby E.
- Watch Folder based operation provides an easy automated solution.
- Support Dolby Dialogue Intelligence measurement and correction.
- Detect silent frames prior to start of media.
- Ability to detect and ignore tone.



	Measure	Comply	Comply (with Watch Folder)
Graphical Report	✓	✓	✓
Multiple Language UI	✓	✓	✓
Windowed Measurements	✓	✓	✓
XML/PDF/Logs Report	✓	✓	✓
16 Channel	✓	✓	✓
Measure to Multiple Profiles	✓	✓	✓
6/12/15 Frame Silence Detection	✓	✓	✓
Multifile	x	✓	✓
True Peak Processor	x	✓	✓
File Fix to Standard Profile	x	✓	✓
LRA Processor	x	✓*	✓*
Dolby Digital	✓*	✓*	✓*
Dolby DigitalPlus	✓*	✓*	✓*
Dolby Dialogue Intelligence®	✓*	✓*	✓*
Transport Stream Support	✓	✓	✓
Various ACMOD Support	✓	✓	✓

*Option

Dolby® and Dialogue Intelligence® are Dolby Laboratories' registered trademarks. Dolby features require Dolby® option purchase.

Containers/Formats supported:

BWAV, WAV, AIFF, QT MOV, MPEG I LAYER II, MXF, GXF, LXF

Standards supported:

BS 1770-1/2/3,4 BS 1771, EBU R128, ATSC A-85, TR-B32, OP-59, Leq(A), Leq(M), AGCOM 219/09/CSP, DPP, Netflix

Loudness Measurements supported:

Program Loudness, LRA, True Peak, Short Term and Momentary Loudness

PPM Measurements supported:

BBC, EBU, Nordic, DIN, dBFS (type I), dBFS (type II), VU, Leq(A)

Audio formats supported:

Mono, stereo, 5.1, and combinations

Audio sample rates supported:

44.1kHz, 48kHz

Audio bit depths supported:

16bit, 24bit

Watch Folder Option:

Single Watch Folder with automatic renaming option, flexible file manipulation, auto generation of XML reporting, and PNG graphs.

Correction:

Eff will correct Program, Short term and Momentary Loudness as well as True Peak errors without changing the original mix. Eff can also be configured to correct to PPM or VU

Platforms supported:

Windows 10/11, Server 2016/2019/2022.
Mac OSX 10.8 onwards.