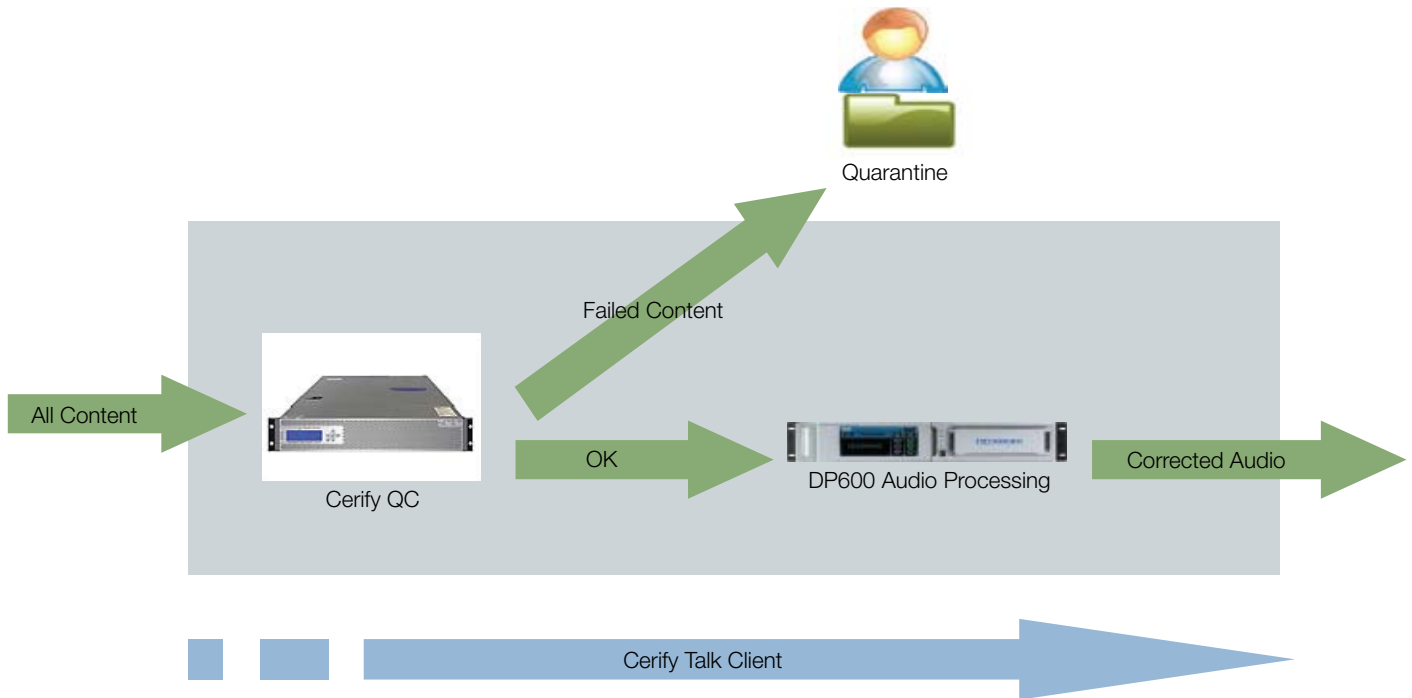




Cerify[®] and Dobly[®] DP600

Technical Brief



The need for reliable, consistent quality control of audio and video streams is constant. Many operational workflows are faced with the need to normalize the audio loudness, in addition to overall quality control.

By integrating Cerify and Dobby's DP600 Program Optimizer into the workflow, the entire quality control process is automated, checking files against specific QC requirements and codec specifications, while normalizing audio loudness issues if any are presented.

The simplicity is in how these two products work in concert. Cerify acts as a gateway in the workflow chain. Once Cerify has verified a file meets the video and audio codec specifications, as well as any customer-specific parameters and quality measurements, it passes the file to the DP600.

The DP600 checks for loudness correction and metadata configuration. When the file has been verified by the DP600, it can be returned to archive or passed on to the next stage in the workflow.

If a file fails the Cerify QC, it is flagged as containing issues or is quarantined for further inspection by the operations engineer. Cerify can notify a specific user or group when a file has failed. Notification is done through email or an xml report file, or it can pass the same information back to a MAM system for even tighter integration through the SOAP API.

Any files that pass this workflow quality control are guaranteed to meet specific QC requirements, which include having correct loudness levels.

Cerify® Overview

Cerify is the world's first fully automated system for verifying and checking file-based content prior to transmission or use. Controlled via a web-browser, Cerify replaces error-prone manual processes of visually inspecting video content by performing a thorough quality check of video files. All aspects of the content are checked, including compliance/correctness to video and audio standards, video formats, resolutions, bit-rates, adherence to transmission system limits and video and audio quality (including black frames, blockiness and audio silence).

Dolby® DP600 Overview

The Dolby DP600 Program Optimizer is an innovative tool designed specifically for cable, satellite, IPTV, terrestrial TV and post production facilities which employ a file-based

infrastructure and workflow. The DP600 includes the world's first intelligent audio analysis and automated loudness normalization engine. These features are used for many of the most common broadcast media file and audio formats in use today. In addition, it offers Dolby E, Dolby Digital and Dolby Digital Plus encoding, decoding and transcoding, all in an open architecture.

Utilizing Cerify and the DP600 in the

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For Further Information

Tektronix maintains a comprehensive, constantly expanding collection of application notes, technical briefs and other resources to help engineers working on the cutting edge of technology. Please visit www.tektronix.com



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