

BATON® with TMD Mediaflex

BATON, the file-based QC solution has been integrated with TMD's Mediaflex providing the customers fully integrated workflows for the management and QC verification of media files, thereby ensuring content readiness before distribution.

File-based digital media has changed the way media is delivered across end user devices, thus raising the potential for **content monetization** and **operational efficiencies**. Operational efficiency can improve when content quality is assured despite multiple transformations across various stages of the content lifecycle.

All the conversions and transformations leading up to media delivery make it an imperative for broadcasters to maintain the end user content quality. Therefore, media validation needs to be automated using an intelligent and flexible environment that can process huge volumes of data in an accurate and consistent manner.

BATON

BATON, industry's leading enterprise-class automated file-based QC solution is used by major broadcasters, post-production houses, IPTV, satellite and archiving companies for its thorough list of quality checks and enterprise-wide scalability.

BATON has been deployed in production use by global media companies of all sizes. BATON supports a wide range of media formats and offers comprehensive quality checks, including extensive subtitles and CC verification, audio language identification, PSE correction, loudness detection and correction. BATON's powerful Media Player for frame-accurate review, rich QC analytics and smart workflow tools are the best in class in the industry.

Solution Overview

- Seamlessly automates quality checks on media content as it moves through the stages of workflow, with automatic alerts & reporting
- Keeps the integrity of the QC metadata through genealogy and the content lifecycle
- Provides increased performance over standalone QC tools and enables streamlined maintenance of the overall system

TMD's Mediaflex

TMD's Mediaflex software applications provide a platform for the management of both traditional physical media, such as film and video tape, as well as digital content. Its module media asset management solution provides broadcast, media and archive organizations with a scalable and flexible system to meet the growing demands of media rich organizations.

BATON Integration with TMD's Mediaflex

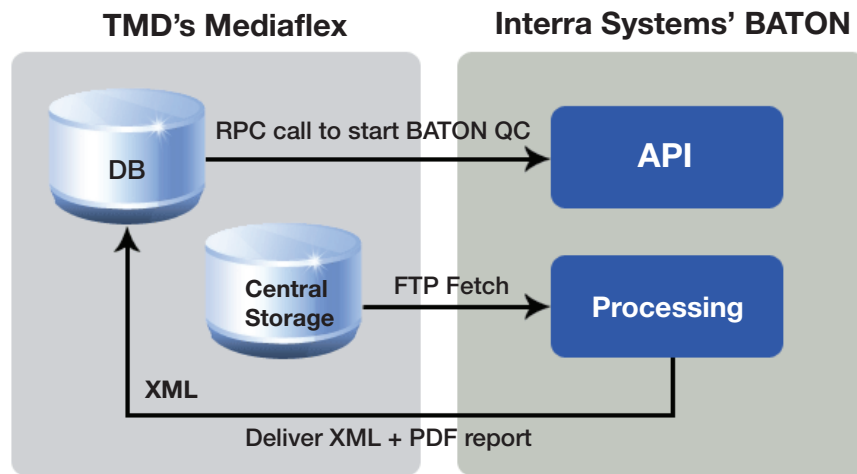
Through this technology integration, customers benefit from Interra BATON's QC technology platform, coupled with the flexible media workflow platform. The solution provides a seamless, automated interface which handles a comprehensive solution for quality checking and measurement and comprehensive cost analysis and reporting.

BATON is the automated file-based QC tool that you can trust in your Mediaflex® workflow to identify any audio, visual, or metadata issues after digitization. It provides end users with functionality to design and build file QC workflows using a graphical user interface. The architecture delivers guaranteed QC capacity and unparalleled speed of QC analysis to meet the demands of any media operation.

As an integrated component of Mediaflex file based workflows, BATON ensures that your media meets the standards required before distribution, playout and archiving. BATON QC can be triggered automatically at any point in the workflow. With BATON's integration to Mediaflex, you can:

- Store PDFs as a media item or it can be included as an attachment
- PDFs are visible in the Mediaflex QC Assess task

- A report can be copied and sent to a 3rd party system or any storage location
- You can store an overall pass or fail against media items and can trigger additional workflows off that status
- Alerts (email, SMS, on-screen etc.) can be triggered to be sent when specific events occur during the progress of the job
- Accurate metadata capture for file-based QC processing and improved content management



BATON file-based QC solution integration with Telestream Vantage

The screenshot displays the Telestream Vantage interface with several panels:

- Left Panel:** Shows a list of reports and tasks. The 'Assisted QC Report' is selected, showing details for 'NATURAL WORLD 2015 (NB 4 X SPECIALS), 2 - COUGARS'.
- Top Center Panel:** Displays a PDF report titled 'FKAC445T_01.MXF.DPP.pdf' with a table of information.
- Bottom Left Panel:** Shows a table of media item details for 'NATURAL ...'.
- Bottom Right Panel:** Shows a detailed view of a media item report for 'FKAC446N_01.mxf', including fields like 'Content Verified', 'Format', 'Test Plan Used', and 'Status'.

Field	Value	
1	FileSize	50465.32 MB (51.01.333.246 KiB)
2	VideoTracks	1
3	AudioTracks	4(2)
4	Operational Pattern	DPH
5	Modification Date	2015-04-03 13:20:00.204
6	Product Name	bcw
7	Company Name	BBC
8	Random Index Pack	Present
9	Rollin	Not Present
10	Black Matrix	Present
11	Product Version	0.1.2.0
12	Shrinked File	Yes
13	Active Content Descriptor	163 (frames)
14	Black Reference Level	64
15	Channel Format	4:2:2
16	Display Aspect Ratio Height	9
17	Display Aspect Ratio Width	16

Field	Value
Content Verified	FKAC446N_01.mxf
Format	MXF
Test Plan Used	AS-11 UK DPP HD File Test_BATON_4-audio-channels_No_CABAC_check
Task Result	Content passed Test Plan
Number of errors	0
Number of warnings	0
Task Created on	20 May 15, 22:03:59
Task created by	npf
Content Path	\gfw\1e2ef5002\submissions\FBD_STORE\FKAC446N_01.mxf
Priority	Normal
Checker	10.57.32.45@0000
Status	Finished
Progress	100%

Key features of the integration

- **Manual QC**
 - Perform manual QC checks on the content
- **Automated QC**
 - Set up smart load balancing between BATON and Mediaflex to prevent performance issues
 - Enable storage and parsing of BATON QC reports for user-friendly, accessible representation and traceability
- **API-based QC**
 - Trigger BATON QC using the Mediaflex RESTful API

BATON - Key Features

- A comprehensive ML/AI enabled QC solution, available for Windows
- Hybrid QC platform with a combination of automated & manual QC checks on content
- Supports SD, HD, UHD, 4K Mixed workflows
- Intuitive, simplified and a very user-friendly web-based user interface
- Extensive time code related checks including start TC / discontinuity / GOP / LTC, VITC and more
- Built-in Test Plans for various Standards and Workflows such as DPP, iTunes, Netflix, Cable Labs, ARD_ZDF, Ingest, Playout and more
- First QC system to support VAST formatted ads
- Supports S3, Spectrum, Azure Blob Storage AMP, Avid Interplay and Google Cloud Servers, HTTP Server, IBM Cloud Object Storage, OpenStack Swift based storage
- Rich reporting features:
 - o Multi-language reports in HTML, XML, PDF, Excel and JSON
 - o Reports based on analytics, timeline, content structure and thumbnails
 - o Incremental reports of tasks in progress
 - o Compact reports to analyze verification summary
 - o Options to comment, tag, rate and compare reports
 - o Configurable e-mail, HTTP alerts including SNMP
- Supports user management & access control
- Comprehensive solution for task scheduling & monitoring
- Support for SOAP, XML-RPC, and REST APIs
- Efficient integration with media servers, transcoders, MAM archiving and workflow solutions through its easy to use web-services based APIs
- Scalable architecture for expansion of the BATON set up as QC needs grow

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