ADVANCED FORMAT DIGITAL INTERMEDIATE (FINAL PICTURE ELEMENT FOR NEWLY PRODUCED FEATURE FILMS) ASSET VALIDATION AND INGEST WORKFLOW

STEP 1

Material Review
Digital Archive

ACTIVITY
- DI Producer delivers 2 min. segment of rendered frames to Digital Archives for spec approval before full delivery
- Confirm delivery
- Coordinate ingest with Digital Archive

DELIVERY
- Original DPX/EXR files data tape or cloud delivery
- Or highest quality DI image assets
- Unencrypted source OV DCP delivered at same time

STEP 2

Stage Files
Digital Archive

ACTIVITY
- Restore DI image files to staging volume
- Download unencrypted OV DCP to staging volume
- Generate MD5 checksum of staged files

DELIVERY
- Fingerprint (MD5) text file per DI image reel
- Fingerprint (MD5) text file of OV DCP

STEP 3

Technical Validation
Digital Archive

ACTIVITY
- Compare generated checksum with vendor checksum for both DI and DCP
- Initial DI technical checks – Consistent pixel resolution, color space, bit depth, complete in/out frame sequence, proper directory structure and file naming
- Validate DCP – spot check QC on playback server, confirm encryption, naming convention tagging matches content metadata

DELIVERY
- Technical Validation Report of DI and DCP

STEP 4

Content Validation
Advanced Formats Vendor
Digital Archive

ACTIVITY
- Provide DI master and OV DCP to Advanced Formats Vendor via Digital Landing Pad
- If validation is done in house, stage source DI and DCP assets in working volume
- Compare DI over DCP(Over/Under) using source audio from DCP
- Visual QC screening with Advanced Formats Operator, Post Production, and Digital Archive representative
- If applicable, request DI fixes and apply to Over/Under for approval confirmation

DELIVERY
- Over/Under ProRes HQ of DI Validation proxy
- DIV QC Report
- If changes were needed, new files are delivered

STEP 5

Ingest
Digital Archive

ACTIVITY
- Confirm technical metadata entries for DI, Unencrypted OV DCP(s), and Over/Under ProRes DI Validation Proxies
- Populate applicable metadata fields and assign security and storage policies
- Stage materials to be ingested in proper directory location in storage volume
- Monitor ingest into digital archive system and confirm archival workflows complete
- Attach Pre-Qualification and the DI Validation Report to assets

DELIVERY
- Ingest Confirmation Notification

IN-HOUSE PRESERVATION (FOR PRESERVED AND RESTORED FILMS) ASSET VALIDATION AND PRE-INGEST WORKFLOW

STEP 1

Material Delivery

METHODS
- AWS Cloud Delivery
- Delivered directly to Storage (in-house)
- Secure point-to-point delivery (links expire)
- Harddrive Delivery (multi-format)
- Data tape Delivery (various formats, including LTFS, TAR, BRU, etc.)

STEP 2

Pre-Ingest Validation

- Determine required restore approach
- Restore files from physical media to digital archive staging location
- Check for gaps in framing numbers
- Remove illegal characters, or replace spaces in filenames/folder structures or RAR material that can't be changed
- Generate checksums
- Compare generated checksum from vendor (if provided

- Complete metadata & technical checks such as format, runtime, frame counts, frame numbering and file naming.
- Validate material's technical metadata with title metadata
- Confirm metadata with with media/billing order, project manager, or vendor when unclear
- Visual Validation for some material is required, (especially for non-spec, or for original deliverables)
- Create Technical Reports documenting any validation done to material

Pre-Ingest validation is a critical step that should not be skipped.
All material should be validated pre-delivery bad/wrong material is not archived.

STEP 3

Prep Material for Ingest

- Normalize folder structure to Paramount spec
- Split large deliveries into smaller groups for ingest (System limit is 125,000 files per barcode)
- Create Manifests for audio or large file directories
- Create Ingest XMLs
- Initiate digital archive Ingest Workflow

STEP 4

DAM Ingest

- Resolve ingest or storage policy exceptions
- Confirm successful ingest (e.g. Replication)
- Confirm all metadata was imported correctly
- Confirm proxies generated for video based assets
- Define security template
- Attached any additional documentation with assets
- Purge ingested material
- Alert vendor/client/manager of successful ingest

ASSET VALIDATION
CONFIRM MATERIAL IS VISUALLY CORRECT

Only visual validation showed this checksum verified file was corrupt

Only Visual Validation confirmed that we were missing an FX shot

Original Delivery

Re-delivery