EIDR and IMF

Status Report

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Interoperable Master Format (IMF)

- Standard for high-quality, component-based masters
  - Combines components + multiple picture cuts (compositions)
  - Significant size & asset management savings for versioned international distribution
- Published by SMPTE (SMPTE 2067 standards)
- IMF Application #2E ("Studio Master – Extended")
  - Specialization of IMF designed to service downstream distribution channels (broadcast, OTT, …)
  - JPEG2000 frame based
  - 2016 update for UHD, High Dynamic Range and Wide Color Gamut

At the heart of IMF: Composition

- Single complete work: movie, TV episode, advertisement…
- Single timeline
  - One video track
  - Multiple additional conformed essence tracks
- Supports EIDR IDs (as well as house IDs)

Why use EIDR with IMF?

- Unambiguously identifies the contents of the Composition
  - Distinguish multiple compositions in a package
- Associate Compositions with avails
- Track related Compositions delivered over time
  - Supplemental languages
  - Corrections

EIDR removes the need for complex and unreliable naming conventions, and metadata duplication

What EIDR ID to use with a Composition?

EIDR Level 1 (Title ID)	Good	Not sufficient to uniquely identify the contents of the Composition
EIDR Level 2 (Edit ID)	Better	Acceptable if only ever one timeline per Edit
EIDR Level 3 (Manifestation ID)	Best	Preferred (unambiguously identifies the timeline)

EIDR Best Practices in final draft

Status

- IMF Application #2 ready for deployment
  - Leading use case: supporting component-based delivery
  - Other applications: ACES for mastering and archive
- IMF supports EIDR
- December plugfest
  - Studio test vectors
  - EIDR retailer members active
- Next plugfest Feb 16th-17th @ SPE
- Deployment of IMF – opportunity to EIDRize tools & workflows