

The Future of ISDCF

Transition to a sustainable model

ISDCF has made significant contributions to Industry

Created test content (all organized by ISDCF, donations by member companies):

- Global SMPTE-DCP (SMPTE DCP Bv2.0 and Bv2.1)
- IAB (and profile definition)
- High Frame Rate (HFR) Content
- Subtitles/Captions
- Framing Charts
- Brightness (including IntraFrame Contrast Ratio target and test methodology)

Naming Convention (used globally):

- Discussion, Design, and Maintenance
- Human & Machine Readable
- Language / Territory / Rating Registry
- Studio / Facility Code Registry
- Metadata Extension Registry

SMPTE Documents first developed in ISDCF:

- SMPTE RDD52 - Constraints for SMPTE-DCP (Bv2.1)
- SMPTE RDD57- IAB Profile 1
- SMPTE ST 430-1 - KDM
- SMPTE ST 429-16 - CPL Additional Metadata
- SMPTE ST 429-9 - AssetMap

Best Practices, used globally:

- Hard Drive File Formats and Delivery
- KDM Formulations
- Audio Channel Layout Mapping
- Closed Caption Authoring
- Other docs here - <https://www.isdcf.com/site/technical-docs/>

Industry Projects, sample of topics:

- KDM Formulations
- Transition to SMPTE-DCP
- Mixed SMPTE/Interop Shows
- Mixed SMPTE/IOP Hard Drives
- Transition KDM to DCI mode for Content Authenticator
- TKR - Theater Key Retrieval
- On-Screen subtitling
 - 2D positioning and rendering
 - 3D Z-positioning
- Closed Caption and Subtitle Best Practices
- Restricted set of IAB profile
- Mixed Frame Rates
- High Frame Rate
- 3D Brightness Levels
- Audio Channel Mapping
- Markers in DCP
- Trailer audio levels in active exhibition theaters
- Ingest Behavior
- Sign Language video specification
- In-field exhibition theater testing

Future Projects:

- Digital Cinema Picture Level
- Accessibility for international requirements
- Next generation architecture and software solutions for servers
- Non-DCI content

ISDCF History

17 years of work to the benefit of the community

Operating expenses (approx. \$1M so far) have been allocated unevenly

- Universal Pictures supported the chair

- A few made made significant in-kind contributions

 - NATO / Deluxe / Dolby / WB / CineCert / Others

ISDCF needs to be self sufficient

- Cost per year approximately \$80K

- Would fund: Chairperson, Technical support for web services, meeting costs

Proposal: Transition to member-funded organization

Companies with over \$5M in revenue - \$4K / year

Participation by individuals and organizations with under \$5M in revenue - no charge