

ISDCF Main Meeting Notes – March 8, 2018

Upcoming Meetings

Wednesday May 9, 2018 10:30am at Universal

~~June 5/6 audio plugfest At Deluxe~~ Now a virtual Plugfest in April

Wednesday July 18, 2018 at Universal

Wednesday September 5 at Universal?

(Will try for Wednesday meetings as often as possible.)

Part 1: General Reporting

Housekeeping:

- Antitrust Disclaimer – The official antitrust guidelines are posted on our website and are linked from the main ISDCF page. A short verbal overview of guidelines was given.
- InterSociety is providing lunches!! Please become a member!!
- Thank you to Universal for the facilities and parking.
- Thank you to Universal for support of the Chairman.
- Thank you to Inter-Society for providing the funding for notes, travel, general expenses, LUNCHES! and admin support.
- Thank you to Universal/Intersociety/Susie for the coffee and treats
- Meeting notes from January '18 approved.
- InterSociety request to be a member! \$500/company. Please Join Inter-Society! www.intersociety.org / become-a-member / \$500 per company per year, \$100 individual membership.
- Legal reminder / press reminder. A verbal description was provided at the meeting.

* Chatham House Rule:

- * When a meeting, or part thereof, is held under the Chatham House Rule, participants are free to use the information received, but neither the identity nor the affiliation of the speaker(s), nor that of any other participant, may be revealed.

Attendance is at end of these notes.

Action Items from March 8, 2017

1. Please Join Inter-Society! <http://www.intersociety.org/become-a-member/> \$500 per company per year, \$100 individual membership.
2. InterSociety meeting at CinemaCon - Wednesday 25 April morning at 7:30am in the Palermo Room.
3. Post meeting notes in a folder on the website - the current method is not up to date.
4. Steve LLamb will lead the ad-hoc group to gather immersive audio DCP/bitstreams for a virtual plugfest mid April.
5. Steve LLamb will draft documents to review then submit to SMPTE for creating a constrained profile / "application" to meet needs to create a DCP that has a better chance of working everywhere.
6. ISDCF should encourage exhibitors, studios and the creative community to address the sound level problem
7. Provide updated (and finalized) reference framing charts. (Kirsten/Eikon)
8. Create webpage with details of framing reference chart details - what to expect and how to read it.
9. Update test content (B2.1) to include breadcrumb features for a general update and include the framing charts (multiple CPLs) and include IAB content. (Pierre/Eikon/Deluxe)
10. Post Harold Hallikainen's document on Implementation Notes for ST 430-10 to ISDCF website and circulate to reflector.
11. Create new webpage for non-SMPTE UL's and ISDCF UL's for ease of finding these descriptors (Jerry/Pierre)
12. Send letter to exhibitor headquarters to indicate which theaters are not SMPTE-DCP and WHY.
13. EDCF / ISDCF meet up at 4pm at CinemaCon - contact Jerry if you want to attend (fairly small).
14. Add links to SMPTE standards on the ISDCF website (done - CJ)

From Earlier Meetings:

15. Documents will be drafted for mods to 429-2 and a creation of an

- Application to match formal standards to current practice (Steve)
16. Documents will be drafted for possible changes to DCI specs (references to SMPTE and the CTP) (Steve). Initial version of proposal to be discussed prior to next meeting - any suggestions please send to Steve LLamb.
 17. Creating an ISDCF Forum entry - some SMPTE-DCP problems and how to fix them. Steve/Jerry will work on creating an entry.
 18. Get more examples for the digital cinema naming convention from other studios.
 19. Update sign language video description to include references to the "Class 13" block for sign language names. (Mike/Pierre). We should have a reference to the Class 13 UL's on the ISDCF website.
 20. ISDCF wikipedia page! Volunteers?
 21. Will someone write up a "how to" for getting SMPTE documents to publish on the ISDCF website under the <http://isdcf.com/ISDCF/smp-te-standards.html> page. (Dean)
 22. New ISDCF Document in process: "Delivery of non standard extension content for Digital Cinema" (Dean/Jerry)
 23. Need for an ISDCF recommended practice for what to expect in the CPL metadata. It will point to the appropriate SMPTE documents for the true authority, but it is targeted at general users (exhibitors) for layman language on what is in the metadata. (Steve/Jerry will revisit)
 24. Subgroup to edit / recommend changes for Document 12 - RP for Ingest Behavior - Steve L to lead, Dean B, John H, Mike R, Jim W, Chris W, Bill E "volunteered" to participate.

===

Immersive Audio Plugfest

IAB (Immersive Audio Bitstream) from SMPTE 25css.

The current Atmos to make IAB bitstreams use a subset of the IAB specification and other tools (DTS, Fox) can exercise more of the features of the specification. A critical issue will be what do renders do when a wider use of the full IAB specification is delivered. Will there need for a description of a constrained set IAB specification - much like ISDCF's test

package B2.1? This remains to be seen and we hope we can avoid this.

Xperi has created tools to create bitstreams and also has created a bitstream verification tool (presentation made and Xperi allowed ISDCF to make this available).

Xperi, Dolby, Barco and D-BOX are interested in participating in a plugfest (D-BOX is interested in confirming compatibility of its motion devices with IAB-equipped locations).

It is important we have a complete list of hardware that will be available at the plugfest. We also need to also have test content available mid April for evaluation IF we want to have a plugfest in June.

As far as test content, our goal is to create “normal” bitstreams AND bitstreams that use most of the new features that comply with the IAB Spec.

Steve Llamb has offered to lead an ad-hoc group to coordinate the gathering of immersive bitstreams for a mid-April collection for a Virtual plugfest. (Scott (DTS), Brian (Christie), Pete L, Robert (Dolby) asked to participate.) The bitstream will be shared ONLY with those participating - let Steve (steve.llamb@bydeluxe.com) know if you want to participate.

Venues: Deluxe, Cinemark Playa Vista, others might be possible and are identified on the ISDCF website.

June may be too early for a real plugfest. Looks like only two companies will have renders available.

Do we need a plugfest to test sign language delivery? (There are companies that are working on these solutions.) To test AUX data (and sync) delivery. SMPTE 430-13? Maybe, but not yet.

Bottom line answer: No new plugfest to plan (yet). We need to get the test content available.

===

Update to SMPTE standards to reflect the currently used profile.
(i.e. ISDCF Test Content B2.1 profile)

Steve Llamb is working on the draft documents and plans to work on getting them out for comment in a few weeks. This is NOT a change in the SMPTE specifications, but a constraint document that will match current distribution restrictions.

A number of the restrictions were discussed in detail during the meeting. They will be incorporated in the document under development.

The D-Cinema Application

Match ISDCF Flavor B2.1

- No 96K audio

- MCA labeling shall be consistent with ISDCF recommendation 4

- Subtitled without entry point and duration

- Audio format 4 only (dump the rest)

- Formalize ISDCF channel layout (Audio format 4 WTF)

- Only scope/flat container size (other aspect ratios must go inside flat or scope)

- File Size limitations with subtitles needed (450ish—Kbytes per reel)

- PNG file limitations?

- Requiring annotation text in PKL & CPL

- Subtitles and Captions if on one reel, both must be on all reels (new inserts especially a problem)

- Key limits in CPL (see CTP sets)

 - Timed text be encoded in normalization form C (<<https://www.w3.org/TR/charmod-norm/#unicodeNormalization>> and <http://unicode.org/reports/tr15/#Norm_Forms>).

- [No variable Z subtitles]

Outside SMPTE Adventure / maybe DCI-CTP

- SM security with block chain for log reporting

===

Direct View Displays

Update: Samsung is in process of installing a 2.5mm LED wall display at

the Pacific Theater in Winnetka. Goal of sometime in mid April up and running. 34' screen being installed.

Question if the display will be able to achieve higher brightness - answer yes, but not clear how it will be done. Lots of questions on how masters are being made, etc.

Color should be standard P3 color space and 14 ftL peak white. Capable of doing more. Not discussed if it will accept a Dolby Vision or an IMAX DCP.

Maybe we could have an ISDCF field trip on the evening of May 8 to go see a movie!

There will be a demonstration of a 2K version of the Samsung LED displays at CinemaCon on the show floor.

Resizing of images for future displays. At sometime this topic WILL come up and will need to be discussed. ISDCF is a good venue for these initial discussions.

===

Sound levels in the Theater

Audio survey of mixers

<http://www.associationdesmixeurs.fr/wp-content/uploads/2017/09/NIVEAU-DE-MIXAGE-CINEMA.pdf>

The survey shows that some mixers are adjusting their monitoring environment that may be following the adjustments being made at exhibition. Hence the two are chasing the problem and making it worse.

ISDCF members generally agree there is a sound level problem (for both trailers and features). However, it is not is an issue that ISDCF can directly address.

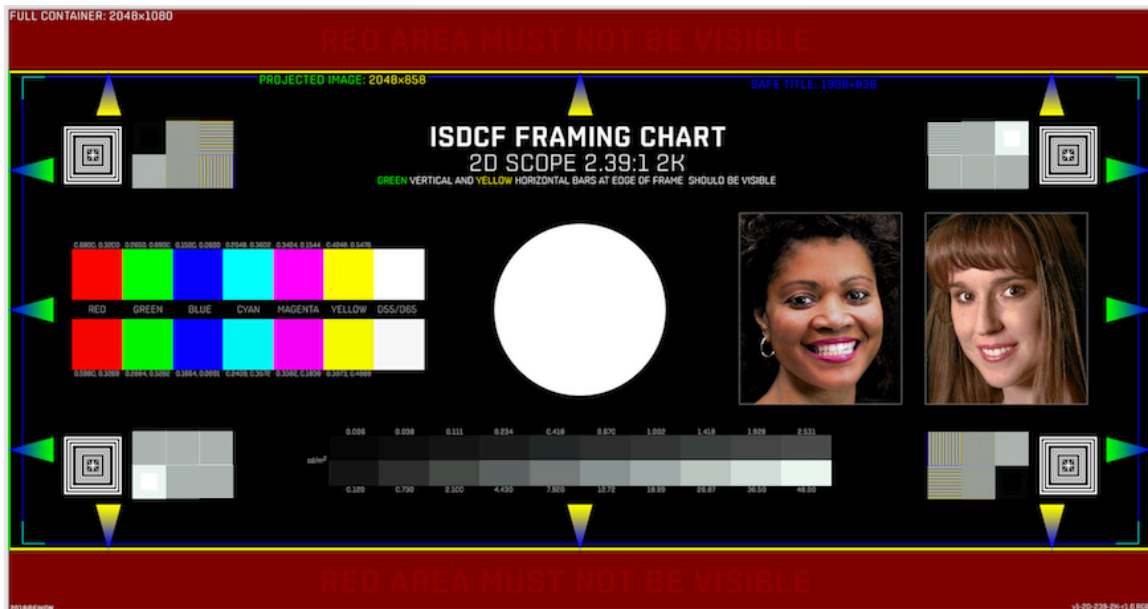
We hope ISDCF can encourage wider discussion between exhibitors,

studios and the sound mixers. Education is an important element of the solution.

===

Reference sizing charts

Example:



Currently there are eight charts being designed.
(2K scope, 2K flat, 2K flat/left eye, 2K flat/right eye, 2K scope/left eye, 2K scope/right eye, 4K scope, 4K flat)

A number of comments were made on the selection of colors. Kirsten/Eikon will take the input from the meeting to help create some reference DCP's. These will be created as ISDCF Test Content B2.1 format and can be available as part of the normal test content. There can be CPL's for framing chart, subtitle/caption test content and for both.

Create a webpage with details on what is on the reference chart. Use the page with SMPTE test content. (Things like line pair count, what to expect, etc.). We will use ISDCF.com/t as the go-to site.

Steve/Eikon/Pierre to update the test content and include the breadcrumbs identified and also include Atmos (or IAB) content.

===

Subtitles/Captions hints and suggestions

A document was created to assist in creation of Subtitles/ Captions (SMPTE ST430-10). This has been posted to website and will be circulated to reflector.

===

Digital Cinema Naming Convention

Request to add additional UL's to the appendix 4b private URI's document.

Is there a need for a new page for:

ISDCF.com/register to contain information on:

Non-SMPTE KDM flags, Non-SMPTE UL's, Non-SMPTE UI's

===

SMPTE-DCP Updates

A number of theaters identified as "Interop Only" have complained that they are SMPTE good. We still need to get note to exhibitors for which theaters are not working SMPTE-DCP.

International, moving fast!

EU updates: UK almost, Ireland(problem), Belgium (soon), Italy (soon), France (in process - problems?), Spain (underway), Germany (April), Austria (soon), Malta (YES!!),

Middle East: UAE, Israel (soon)

===

EDCF Information

Get together - CinemaCon 4pm Wednesday for small group meet up.

=====

Brazil Sign Language

Riole - IR based video distribution in theater. Using delivered video streams in audio tracks. (In addition to the HI/VI tracks.) Will be at CinemaCon.

Proposal for closed caption in video. ISDCF feels that 430-10 covers the world very well. It is not desirable to have another deliverable of the same content.

===

Naming Convention

Is there a need to add a new format for China Giant Screen? IMAX adds their name to the title (see appendix 10 in naming convention). No need for CGS.

=====

HDR recommended practice / LED Walls

Test Results - no updates

===

Attendance on next page.