ISDCF Main Meeting Notes – January 15, 2020

<u>Upcoming Meetings</u>

Immersive Audio Plugfest February 10/11, 2020 Flower Street Deluxe
ISDCF February 12, 2020 Wednesday
  EDCF / ISDCF working session part of pre-cinemacon tour? Thursday March 26 at 5pm?
  Social Pub at CinemaCon? EDCF/ISDCF? When?
ISDCF April 8 Wednesday (just after cinema con)
ISDCF June 10? Wednesday

Part 1: General Reporting

Housekeeping:
- Introductions around the room
- Set next meeting dates (above). Inter-Society pays for lunches.
- Thank you Universal for the facilities and parking.
- Thank you Universal for support of the Chairman.
- Thank you to Inter-Society for providing the funding for lunch, travel, general expenses and admin support.
- Thank you to Universal for the coffee and Susie for the treats
- Meeting notes from November '19 approved
- InterSociety requests you be a member! $500/company. You can join from the link on the front page of ISDCF(dot)com.
- Legal reminder / press reminder / 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. The information is on the front page of isdcf(dot)com. We have added the no-social-media request for discussions held at ISDCF.
  * 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.

Note: No drive on after noon day before ISDCF meeting. If you want to attend and have not added your name to the drive on, please CALL IN.

Attendance is at end of these notes.

Action Items from January 15, 2020

1. Please Join Inter-Society! https isdcf dot com/ISDCF/membership-status dot html $500 per company per year, $100 individual membership.
2. Fix the colors on the sign-in sheet to match who has paid for 2020
3. Transfer registration of isdcf(dot)com to Intersociety ownership.
4. Add link to github language code registry to DCNC site
5. Companies to get permission to fund a higher level of sponsorship to cover the Naming Convention conversion to GitHub registries.
6. Plan get-togethers for CinemaCon for ISDCF/EDCF
7. NATO/DCPL to contact projector manufacturers to consider higher brightness projector testing (start of the next phase of the project)
8.

From Last Meetings (These items are on long-term hold until the next plugfest and/or standards have been finished.)

9. Make a test package with slightly different content in the CPL Content Title Text, PKL text, etc for testing at the next plugfest or to conduct a field test of systems to see where the user displayed content is from for different TMS/Servers.
10. Post new versions of the framing charts.
11. Get a new version of SMPTE-DCP B2.1 with fixed CPL.

===

Organizational issues:

Website conversion/maintenance - we should move the registration to InterSociety ownership and Wordpress hosting.

Reminder that there will be an InterSociety meeting next week on Wednesday as part of the ICTA conference.

ISDCF Immersive Audio

Plugfest - February 10/11 2020 at Deluxe Flower Site (ISDCF main meeting to February 12)

Rendering:
    Dolby
    Barco

QSC (DTS:X)
Cocoon (DTS:X)
GDC (DTS:X)

Content:
Sony Brian (ATMOS)
DTSX (not yet provided)
Mike Radford (updated) (two pieces of content)

Plugfest in February:
Immersive Audio - about 40 have registered so far.
REGISTER!! https://www.eventbrite.com/e/isdcf-immersive-audio-plugfest-tickets-86595532569

There MAY be a call prior to the plugfest. You need to be on the immersive audio reflector to get this announcement. (join http://lists.isdcf.com/listinfo.cgi/immersivesound-isdcf.com)

===

Naming Convention / language codes

Addition of "INDI" as an Independent Film Studio not specified (instead of NULL) - done

—

Desire to move away from google sheets for registration of all things currently in Google sheets (including: Digital Cinema Facilities, Studios, Private ULs, CPL Metadata Extensions, Forensic Marking Flags, ISDCF Class 13 ULs, Language codes, Territory Codes, Territory code mapping, Content types, Content type modifier.

Pierre built an example GitHub registry for the language codes. We showed use of the registry. https://sandflow.github.io/melt/isdcf.html

The group was enthusiastic above moving away from google sheets. This approach seems right, but how does ISDCF grow up and have the technical support to build and maintain the registries?

We should include a field in the language field to include its application - since the long term goal is to merge with the bigger list of MESA.
We need to have a method of suggesting changes to the list - allow direct comments via github or via (last option) email to info@xyz.com. Better for the github since it is traceable.

The group agreed that we should start the transition to GitHub for the language codes asap. On the to-do list.

Next issue: Should we move all the other registries to the GitHub approach? Yep, and some would be willing to pay more in "dues" to fund someone to help make the other registries. We will discuss again next meeting.

===
EDCF Update

Tour prior to NAB. Maybe an ISDCF/EDCF joint meeting during that time.

Possible meeting/beer adventure at CinemaCon? Jerry will reach out to David to find a time.

===
DCI Update

There will be image testing Thursday/Friday January 23/24 next week. Goal is to determine some of the numbers in the DCI HDR spec.

===
Update to SMPTE standards - Bv2.1 documentation - RDD submitted

It appears that all attending ISDCF participants are also SMPTE members, so we believe we can discuss the document at this meeting. This document covers all the restrictions that ISDCF's Bv2.1 puts on a package AND other restrictions that

authoring houses have determined to be needed to achieve 99% playable files in deployed systems.

If someone decides to go outside this constraint information, not a hard restriction, but guidelines. The goal is to have a pointer on the ISDCF technical document listing a pointer to this document - free if possible.

If there is a next one … it may be for high frame rate.

Voting is underway in SMPTE for this RDD

There is a desire to create a new sample DCP that includes these restrictions. ISDCF wants a "free" version to be posted.

===
Sieg arrives just in time for lunch.
===
Lunch Break
===

Digital Cinema Picture Levels

Next adventure 7am at AMC Burbank Thursday January 23, 2020 We are asking for feedback and suggestions to make the results more valuable.

A short presentation was made on the current status. (posted in meeting notes folder)
Question: should we test mastering and DI suites - YES please!
How much does an iPhone increase the theater black level? About 0.2 to 0.4 mNits.
Trying to get a way to understand what 2mNits means. This was a fail, but interesting.
The center brightness is not a good indicator of the quality of the image.
Should we do an A-B a great screen to a gain-screen quality? Interesting possible test.
Trying to establish DCIC to use less fancy detector to measure the black (40mNits for sequential contrast vs DCIC (about a factor of 2 brighter).
What's most important (from Jerry's point of view): 5 point brightness - especially if it's above 10ftL. The theater black - especially if below 4mNits. The DCIC -

especially if above 700. System black (although related to sequential contrast) especially if under 40mNits.

Was projector black measured in other locations than the center.

DCIC is measured left and right averaged.

How does this information compare to SMPTE standards - possible that the SMPTE specifications are far too optimistic. Especially with regard to fall off. (BTW SMPTE may be working on a new recommended practice for measuring screens.)

We have been using on-line google sheets to record the data. We are considering using a real on-line database, but so far we haven't figured out everything we want (so far).

===

SMPTE-DCP Updates

Nothing new to report. Most of the updates are being tracked/encouraged by EDCF.

https://www.smptedcp.com/status

(After the fact, we really need to look at the world-wide issues, especially in Asia.)

It's time to think about moving to SMPTE-DCP trailers. Time to discuss at CinemaCon?

===

Deviant Aspect Ratios or High Frame Rate Releases

Some 2.0 aspect still in process.

===

Is there any work being done on higher bit rate in the DCP. (Above the 250mb/s, with the goal of 500mb/s for high frame rate.) Not that we know of.

===

Review of Action Items from last meeting.

Action Items from November 20, 2019

1. Please Join Inter-Society! http://isdcf.com/ISDCF/membership-status.html $500 per company per year, $100 individual membership.

2. Jerry to create google sheet to capture updates for language codes - done
3. Steve/Dean to work on 30MR contribution for registry for language codes - nothing happened. The interaction with MESA is at SMPTE headquarters.
4. NEW CONTENT for the immersive audio plugfest is DUE on ~~December 30~~. - Now January 31.
5. Old - Request to see servers/TMS to use the SMPTE CPL metadata (i.e. extract FFMC flag). Call for participation in the Plugfest in November 2019

From Last Meetings (These items are on long-term hold until the next plugfest and/or standards have been finished.)
6. Make a test package with slightly different content in the CPL Content Title Text, PKL text, etc for testing at the next plugfest or to conduct a field test of systems to see where the user displayed content is from for different TMS/Servers.
7. Post new versions of the framing charts.
8. Get a new version of SMPTE-DCP B2.1 with fixed CPL.

===

Attendance on next page.