ISDCF Main Meeting Notes – November 4, 2020

<u>Upcoming Meetings</u>

November 17 EDCF Social Hour - 8am
ISDCF January 13, 2021 10am (ICTA possible conflict?)
ISDCF March 10, 2021 10am Wednesday…
[Immersive plugfest - Not scheduled.]

Part 1: General Reporting

Housekeeping:
- Zoom meeting (provided by NATO)
- Set next meeting dates (above).
- Thank you Universal for support of the Chairman.
- Thank you to Inter-Society for providing general expenses and admin support.
- Meeting notes from September '2020 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. Please no-social-media for discussions held at ISDCF.

Attendance is at end of these notes.

Action Items from November 4, 2020

1. Please Join Inter-Society! https://isdcf.com $500 per company per year, $100 individual membership.
2. In time, create new SMPTE-DCP test package with RDD52 constraints as well as one that will include RDD57 IAB constraints. (Probably two packages.)
3. Form group to get requirements for in-theater communications. JerryP

Holdovers:

4. Craft a messaging / education for exhibitors on IAB Profile 1 / Atmos. To avoid confusion in the marketplace (probably after movies start to flow again).

===

Organizational issues:

ISDCF/EDCF Social Hour Set for Tuesday November 17 at 8am Pacific Timezone

Website and IT updates

https://github.com/ISDCF/registries
Added: ratings and content type / content type modifiers have moved to GitHub. ISDCF is about half way through moving away from Google Docs for our registries.

Next step to move ALL the DCNC to GitHub - including html generation. Not sure how it will integrate into the current Wordpress ISDCF site, but we are headed there!

Demonstration of the on-line resource for finding technical documents https://www.isdcf.com/site/smptestandards/ this resource (Thanks Steve LLamb!) is a GREAT way to find what you are looking for…

Forum
The ISDCF Forum is back to working. It has been migrated to a server hosted by James Gardiner. http://forum.isdcf.com/forum/ and a link from the front page of isdcf.com

We will now see if it has traction…

===

ISDCF Immersive Audio

SMPTE-RDD57 is underway. If you are a member of SMPTE21DC, please pay attention and vote (when time). This is sponsored by ISDCF and EDCF.

We need a test package for IAB content - for a future plugfest and as an industry resource. The goal is to have a package that is NOT a killer-reel®, but just tests the basics for a

SMPTE-RDD-57 (IAB Profile 1) compliant bit stream. The target audience might be an exhibitor to make sure things are working in the theater. A second package that is a bit more edge case testing (but still within profile 1) might also be helpful for ISDCF testing.

SteveL, MikeR, JP, BrianV, PierreL, JackW, Andy would be interested in joining the group to create and verify these test packages. Goal: March 2021.

Has anyone implemented new features in IAB devices that others have implemented that need to be part of an IAB profile 2? Nope. Will ask again next meeting.

OMB testing for new protocols. 430-17 / 430-14 Not yet finished in SMPTE.

Maybe a plugfest for subtitling (micro positioning) 428-7 standard plugfest. Test package is being built outside of ISDCF. We may be asked to conduct some testing, but not planned at this time.

===
Dummy sub Files

Background: SMPTE RDD52 indicates that if a composition contains ANY reel having timed text that ALL reels should have a timed text element. There is a need to define a "blank" subtitle/timed text track to meet this requirement. This is needed to "work around" a problem in a number of deployed servers that will not properly work (timed text either not working or appearing out of time sync) without these files. It is a known SMPTE-DCP issue that mastering companies have been addressing for years. This just makes it formal and a uniform way to build a work-around.

SMPTE ST 429-2, section 9.8 Timed Text, states the following:

> *"Once a timed text asset appears in one Reel, the established track shall be assumed to exist for the entire Composition, even if related timed text Asset elements are not present in all Reels."*

To mitigate such behavior, RDD 52, section 8.3.1 states the following:

> *If a MainSubtitle timed text track is present on any reel, a MainSubtitle timed text track shall be present on all reels. If (1) or more ClosedCaption timed text track(s) are present on any reel, the same number of ClosedCaption timed text tracks shall be present on all reels.*

SteveL and JackW have created a DRAFT document defining this missing element. (http://isdcf.com/papers/ISDCF-Doc-16_EmptyTimedText_draft.)

The concept is that ISDCF will solicit feedback on the document and post on the ISDCF website. When completed we anticipate it will become an annex to the SMPTE-RDD-52 document and become "official."

https://github.com/jack-watts/empty-dci-tt

===

Exchange of DCDM Files

The IMF Forum and SMPTE-35PM has been working on a way of interoperable exchange of DCDM files. Their work can be found at GitHub.com/SMPTE/st2067-40-2ED/

===

SMPTE-DCP

Update to SMPTE standards - B2.1 documentation - RDD-52. Published and available FOR FREE to the end of the year. SMPTE RDD52 [https://ieeexplore.ieee.org/document/9161348].

The proponents of RDD52 are checking with SMPTE for licensing rights before creation of an ISDCF document that can be maintained on the ISDCF site. The main reason for the posting in ISDCF is as a 1) free version and 2) editable version that can be used as a resource for updates of RDD52 in SMPTE.

A question was raised about getting the information of RDD52 into the ISO world. There is not a clear path to get this into ISO. One additional problem is that ISO is not current and has not evolved to keep up with the other SMPTE documents. (If you try and make a DCP using ISO standards it will have problems.) No action at this time.

===

Clairmeta DCP Quality Assurance Report

James Gardiner james.gardiner@dcnaustralia.com.au
The work on a free online QC system for DCPs is getting close to being made available.

The objective is to get a complete report on a DCP that also helps greatly with loudness measurements and hopefully could help with pre-show audio quality (Mostly more consistent loudness levels in pre-show considering many cinemas are making their own content now and don't have the ability to achieve consistent audio loudness levels.)

I wanted to show the group an example of the REPORT user can send to themselves via Email. (Report was posted to isdcf.com/meeting - but may be removed in the future.)

===

The Restart

Things seem to be going very well, except that some regions are re-closing. It would be better if the Covid pandemic would end…

https://www.isdcf.com/site/covid-19-recommendations/

===

Open standard for in-theater communication?

Is there an interest in an open standard for delivery of closed captions, audio languages and video tracks (sign language) within a theater. Right now all solutions are proprietary solutions. There is also interest in using customers own devices (with the understanding that exhibitors need to provide devices to meet ADA requirements).

Initial feedback is there is interest…

HaroldH suggested an RF system - perhaps using WiFi Broadcast mode (no handshake) - with the SSID broadcast over high frequency - ultrasonic - audio (dog whistle) in the local theater for ease of consumer selection.

There could be many ways to implement this and it should be discussed in more detail.

Feedback was problem with the number of WiFi transmitters in a theater. Comment: WiFi has come a long way (i.e. stadiums can now support WiFi communication). There may be other solutions that can be identified, BUT Requirements should come

first. HaroldH, MikeR, JerryP, TimW can be part of defining a requirement document.

===

ISDCF Terminology Document

Angelo put together a first pass that was a bit too long. We may want to use a smaller version and point to other documents. Work continues.

===

LMT - Language Metadata Table

The MESA/LMT project is going on independently. Some work in SMPTE, but not relevant to our needs at this time. This will move to the parking lot of ISDCF meetings and come back if needed.

===

EDCF Update

Europe is going into a second lockdown due to the pandemic. Seems to be moving into remission.

ISDCF/EDCF social sessions. (Next session is - November 17, 8am Pacific Time.)

===

DCI update

No report this time.

===

Digital Cinema Picture Levels

No report this time.

===

SMPTE

25css - Bitstream document is nearing 1 year review.

===

Review of Action Items from last meeting.

September 23, 2020

1. Please Join Inter-Society! https://isdcf.com $500 per company per year, $100 individual membership.
2. Provide a proposal for a new ISDCF open forum (James/Sperling) - done
3. IAB SMPTE RDD needs a nudge (Jerry) - done
4. Modify language on ISDCF website for RDD-52 to show that ISDCF will sync all changes to this spec between the SMPTE version and the ISDCF feeder versions. (Steve/Jerry) - done
5. Understand if ISDCF can post the contents of RDD-52 on ISDCF website both from copyright issues as well as agreement by proponents (Steve/Pierre) - in process
6. Begin creating an ISDCF Terminology Document. (Angelo) - first draft done, in process
7. Subgroup to review DCNC Language code database and presentation (Jerry, Steve, Pierre, Brian, Wade) - done
8. Add links to EDCF (and other forums) on the ISDCF website. - done

Holdovers:
9. Add Territory Codes as the next JSON database - done
10. Get the Forum back up and running (Sperling/Gardiner) - done
11. Create and post repository for tech documents for both ISDCF and SMPTE documents. (LLamb) - done
12. Craft a messaging / education for exhibitors on IAB Profile 1 / Atmos. To avoid confusion in the marketplace (probably after movies start to flow again).

Attendance on next page.