ISDCF Main Meeting Notes – December 15, 2017

Upcoming Meetings

Thursday January 18, 2018 10:30am at Universal >> **NOTE CHANGE TO THURSDAY**
Thursday March 8, 2018 10:30am at Universal

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 will pay for upcoming 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 August '17 and October '17 approved.
- InterSociety request to be a member! $500/company. Please Join Inter-Society! www.intersociety dot 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 December 15, 2017

1. Please Join Inter-Society! http://www.intersociety.org/become-a-member/ $500 per company per year, $100 individual membership.
2. Send note to Interop-DCP sites informing them of transition and how to report changes (Disney, NATO, Deluxe)
3. We could plan an ISDCF/EDCF gathering at CinemaCon.
4. Post (somewhere) information on guidelines to author ATMOS SMPTE-DCP content (put on test content page for now)
5. CPL metadata update to include Kosovo language (Pierre - done)
6. Add a new CPL metadata to Naming Convention reference table for posting to the DCNC site (Pierre - did I get this right?)
7. Get more examples for the digital cinema naming convention from other studios.
8. Fix URDU in Language Codes Naming Convention (done)
9. Fix "Audio Description" in Naming convention - typo (done)
10. Update ISDCF Doc7 - Digital Cinema Language Codes (done)
11. ISDCF will use a "Class 13" block for registering sign language names. (done)
12. Will someone write up a "how to" for getting SMPTE documents to publish on the ISDCF website under the http://isdcf.com/ISDCF/smpte-standards.html page.
13. Write up a draft document for a digital cinema constraints document - either as a modification for 429-2 or as an "DC-Application-1." (Similar to IMF approach.) To be discussed at next ISDCF meeting. Another suggestion is to prepare a modified 429-2 to see the impact on the document. (Steve takes action item.)

From Earlier Meetings:

14. New ISDCF Document in process: "Delivery of non standard extension content for Digital Cinema" (Dean/Jerry)
15. Consider a revision of SMPTE 429-7 Table 5 to update the "should" for markers that are required to be part of the CPL metadata. (In process.)
16. 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. (who? Steve/Jerry will start)

17. Create a generic ISDCF framing chart to be freely shared (Eikon/Bill H/ Ernie)

18. Techie group to discuss RPL timing - Harold, Dean/JP (Dolby), Tim R (TI), Bill E., Kevin (Christie). Jerry to send emails to Harold.

19. 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.

ISDCF Forum:

Traffic continues, very few new postings. Anything having to do with KDM gets lots of hits.

SMPTE-DCP

The need to upgrade to SMPTE-DCP was emphasized with the report of early release of the script from Star Wars taken from the Interop-DCP unencrypted caption file. We NEED to upgrade to SMPTE-DCP!

A number of theaters identified as "Interop Only" have complained that they are SMPTE Good.

How to get update to ripple back to Deluxe that they are OK for SMPTE-DCP?

Deluxe Comments: Deluxe says the many exhibitors don't respond to "are you ready" emails from Deluxe, but they do when the request comes from a studio or NATO.

Disney is thinking about sending a note to known problem sites with a request to do what is necessary to get upgraded.

A suggestion was made to include a note with the hard drive informing of the discontinuation of Interop-DCP delivery and the need to upgrade.

Question: If a site can play the (encrypted) SMPTE-DCP test content on the ISDCF site is the site ready for movies? Answer: Yes for studio releases that

are being distributed at this time.

(A discussion later in the meeting was held on how could the SMPTE standard better reflect the current restrictions that are being applied to movie releases.)

Singapore is now fully SMPTE-DCP capable!

We had a discussion of WORKFLOW for updates and changes. A CPL was sent using email and there was problems in getting the CPL to the right place in many theater complexes - this was not the "normal" way to get CPLs. We will thinking of education means and procedures for small package delivery.

EDCF Information
Latvia, Estonia, Lithuania, Norway, Finland (soon Netherlands) all good for SMPTE. Russia moving fast to SMPTE, Italy as well.

Recommendation - ATMOS releases should follow SMPTE-DCP ISDCF test content of type-Bv2.0 {not Bv2.1 since current packaging constraints due to current authoring tool limitations. In time these packages will move to Bv2.1}

Disney
Star Wars - The Last Jedi - 4000+ theaters - more problems with weather and Interop-DCP than with SMPTE-DCP
Coco - Update for CPL to remove short

Fox
Ferdinand this week
Greatest Showman next week

Paramount
Daddy's home 2 -
Downsizing (the movie)

Universal

Pitch Perfect 3 - Dec 22
Insidious 4 - Jan 5

WB, Sony, Lionsgate
No reports…

ISDCF/EDCF meeting at CinemaCon? Should we have a meeting or Cocktail party?

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Open TDL

Request for open TDL - at least Certs and ID linking.

Lots of paths that could be followed, but no clear path defined. First stage of a registry of certs vs public key is understandable, but the **hard part of verifying site validity to cert is the challenge**.

In the past MovieLabs floated a proposal a few years ago and was not able to get funding.

Could block-chain be used to help?

This is NOT a technology issue, it is a funding and political issue.

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Naming convention adventures —

Would is it possible to update the **territory codes** to include Kosovo - suggestion to use ZK
Need to update CPL metadata to include new territory code - Document x-ZK for CPL metadata release territory field (Pierre)

Divergence between territory codes in Naming Convention and CPL Metadata (ST 429-16)			
Region	Territory Code for use in the D-Cinema Naming Convention	RFC 5646 Code for ReleaseTerritory field in CPL Metadata	Note
CURACAO	AN	CW	
DUBAI	DU	x-DU	Dubai is not currently listed in ISO 3166
KOSOVO	ZK	x-ZK	Kosovo is not currently listed in ISO 3166
SERBIA	CS	RS	

Eclair asked to be included in the naming convention - in the same way as Dolbyvision. In particular to add Eclaircolor identifier as a Content Type Modifier. EC is the suggestion.

We discussed that need that anything added to the naming convention must also be included in the CPL metadata description AND that the CPL metadata is the super-set of additional information.

ISDCF does not currently have a cross reference list matching naming convention to CPL metadata, although it is hidden in the digital cinema naming convention site. With the Private UL's (Appendix 4b) the closest reference list.

Pierre will create a new addition for naming convention with CPL metadata extensions and we will include in the DCNC site. Dolby will need to provide extension information as well.

(EC1 will replace it in a couple of months with another type of encoding - we believe that this will be described in the CPL metadata and not in the naming convention.)

Discussion revealed that the entry to the digital cinema naming convention needed updating. The chairman made a shot at fixing it:

> *Old:*
> *There is a need to transition from complete reliance on the Digital Cinema Naming Convention and move to a system that is more formalized and can be used for automation. This is the SMPTE standard CPL Metadata. The transition is underway and you may find that there are aspects of a composition that are not fully described by the Digital Cinema Name and are included in the CPL metadata. You will find descriptions of these options on many of the revised pages included in this updated website. Digital Cinema Players and Theater Management Systems will most likely require software updates in order to display this information properly.*
>
> New:
> We are transitioning to the use of SMPTE Standard CPL metadata instead of reliance on this naming convention. All items that are included in this naming convention must also be included in the CPL metadata. CPL metadata is being populated in distributed movies

today (Jan 2018). In fact more details are included in the CPL metadata than are included in the naming convention AND it's machine readable and actionable. This website contains information for both the naming convention and CPL metadata.

The digital cinema naming convention is evolving with the addition of new terms and modifications to existing terms. ISDCF is the arbiter of modifications to the convention. In general, requests are made to **digitalcinemanaming@isdcf.com** and are reviewed at the next ISDCF meeting. No significant modification is made without discussion at ISDCF.

DCNC examples have been updated. We discussed these at the meeting. Goto http://isdcf.com/dcnc/home/examples.html **Remember that the convention is a guideline, not a standard. We like this and some of the examples show use of the flexible standard.**

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CPL Metadata

ISDCF wanted a more flexible way of adding new and modified information to the CPL metadata dictionary. The SMPTE process was too cumbersome and not necessary for some of the detail type of entries we need (like a new sign language video or an Eclaire standard). We submitted to become the registry for a class 13 node. Below is an example:

```
<Name>Sign Language Video Stream</Name>
    <Definition>
     Identifies an Audio Channel that contains a Sign Language Video Stream
    </Definition>
    <DefiningDocument>ISDCF Doc13 (http://isdcf.com/papers/ISDCF-Doc13-Sign-Language-Video-Encoding-for-Digital-Cinema.pdf)</DefiningDocument>
```

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SMPTE Document Availability

We have had an ongoing discussions about making SMPTE digital cinema documents more easily available. We "complain" that the standards are too

hard to find/purchase. But that is not necessarily true. We THINK that the minimum cost to get access to all the digital cinema documents is about $800 per year. Could SMPTE have a deal with all digital cinema documents in one zip file that you could purchase for (say) $500? Would this help? Discussion ensued.

This is a SMPTE issue and they WANT input for what is needed and what is the real problem. Is it the difficulty of finding? Is it the cost? What is the real problem?

ISDCF could help identify what the problem is, however we don't have a consensus . But individuals do have opinions and can make those opinions known to SMPTE.

We did identify that there might be a need to have references on Wikipedia and/or on ISDCF for open source community to learn on how to acquire the documents.

We could add a description on the Wikipedia Digital Cinema page (and ISDCF site too) on what steps to take to get the standards from SMPTE.

This will drop off the ISDCF list.

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Immersive Sound ISDCF plugfest?

Is it time? Short answer: not yet. Lots of activities inside the SMPTE standard committees, but not ready for an open plugfest.

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Brazil Sign Language

Delay to November 2018 for in-theater enforcement (unless something happens, sounds like a "soft" decision…)
Avatar vs Video? We did not get any feedback on the results of the meeting.
Suggestion to Studios to move VP9 standard to SMPTE, not just ISDCF.
Suggestion to find a way to move to AUX data track (even though it is too late for Brazil)

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SMPTE OPERATIONAL DIGITAL CINEMA STANDARDS

ISDCF developed Test Content B2.1 with a constrained standard set. Should this be formalized? There are too many "recommended practice" documents on ISDCF that does the constraining and should they be moved to SMPTE standards?

We had a significant conversation on the un-used parts of the standards (i.e. 96K-audio, block chain in the log, Audio MCA routing, subtitle entry point & duration, etc.)

The approach might be to re-visit 429-2 and remove parts to create an operational standard, not an aspirational standard.

Another approach might be to create "Applications" in a similar way that IMF has organized the 35PM standards.

Approach is to start a new project for 429-2 to remove aspirational aspects and create new standards for the aspirational items. One issue is the DCI spec directly points to 429-2. How would the change ripple to DCI's CTP (compliance test plan)?

But some of these "aspirational" items are directly called out in the DCI spec and would not be influenced by a change in 429-2.

Match ISDCF Flavor B2.1
   No 96K audio
   MCA only used for labeling
   Subtitled without entry point and duration
   SM security with block chain for log reporting
   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 (xyz-Kbytes per reel)

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
[No variable Z subtitles - there was some interest in removing variable Z, but the chairman feels that it should remain.]

First pass could be a DRAFT version of a revised 429-2 to see interest.

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Attendance on next page.