

## ISDCF Main Meeting Notes – September 5, 2018

### Upcoming Meetings

**Tuesday October 16, 2018 Universal. POTLUCK!! Please contact John Hurst to bring stuff for lunch.**

Tuesday December 11, 2018 10:30am Universal

January 29, 2019?? (perhaps a call only? 10:30-2:30pm)

Audio Immersive Plugfest February 25/26, 2019 - tentative

ISDCF Meeting Feb 27, 2019

(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 July '18 approved
  - InterSociety request to be a member! \$500/company. Please Join Inter-Society! [www.intersociety.org](http://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. The information is on the front page of [isdcf\(dot\)com](http://isdcf.com).
- \* 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 September 5, 2018**

1. Please Join Inter-Society! <http://www.intersociety.org/become-a-member/> \$500 per company per year, \$100 individual membership.
2. Create a license-free immersive audio file for creating immersive bit stream content to test - Mike R? Pete L (Fraunhofer)?
3. Steve LLamb will re-start the virtual audio group and re-focus on creating content. We want bit streams by December meeting!
4. Post new DCP with new framing charts and still images of the charts.
5. CJ will provide language that might be used for the open-source copyright to be included on the website isdcf-slash-t.
6. James will send a version of the Digital Delivery of DCP Recommendation to the ISDCF reflector for comments.
7. J Houston will re-evaluate the SMPTE standard for brightness on corners of a theatrical image.

From Earlier Meetings:

8. New ISDCF Document in process: "Delivery of non standard extension content for Digital Cinema" (Dean/Jerry)
9. 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)
10. 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 - Yes, we will move forward...**

Planning for February plugfest - Non-critical listening environments  
Deluxe offered use of their spaces - ITC and 900 Seward St.

Question: how many rendering devices will be ready for this plugfest? One vendor is marginal on participating. Another 2 vendors seem to be good. The chairman wants at least 3 to conduct plugfest, but the general feeling is we need to have a deadline to move everything forward, so 2 vendors may be enough.

There is some concern about holding the plugfest without the release of final SMPTE documents. The rendering standard is in the early stages, the bitstream is very close to publishing.

It would be worth holding in February *in the least* to verify that the aux data works well in moving around Theater Management Systems (TMS) since we have seen issues in the field.

We need content (Fox offered). Sometime edge case testing, but at first just get something that is a SMPTE-DCP package with immersive audio.

First step is to get content. Verify valid content for testing. We must have content by January 29 - we will cancel the February 25/26 plugfest date if no content available.

Steve LLamb will re-start the subgroup to create content only.

Tentatively the Deluxe ITC is the preferred location.

It was observed that there are some advance features that are in the spec that are not supported by deployed field systems. Asked what the behavior will be - unknown (probably ignored). This should be tested at the plugfest.

An example was conditional beds and the behavior of rendering systems (both deployed and new ones).

At the plugfest we may be able to do some subtitle/closed caption work (new work starting up inside SMPTE - on both Subtitle /Closed caption.

Sign Language not needed to be tested at this time.



**The ISDCF test material** - is it time to revisit given the breadcrumbs that we listed on the agenda (and below). New test material will be created when we have an immersive audio stream available.

(Repeated here: Test material breadcrumbs:  
Mods that would make it even better

- 1) The audio for the LFE channel could have some low frequency rumble - the brickwall filter works well and we don't hear anything in the room.
- 2) Lc and Rc (Left Center and Right Center) were both heard in the theater during 7.1 playback. We felt that it was OK that we heard those channels, but the text says "should not be heard." We think the language could be "Left Center - Might not be heard" and "Right Center - Might not be heard" So that would be in the text and voice speaking.
- 3) Not an issue with the DCP part, but we didn't have all the text on the screen - meaning it wasn't framed right. We COULD (maybe not) add a scope frame around the border to let folks know they are seeing all the pixels. This is turning into a really nice piece of test content, why not make it better.
- 4) There is a need for test content with a sign language video track as per ISDCF documents.
- 5) There is a need for a SMPTE object based audio track.

We should test language codes for subtitles at next plugfest. One CPL with only one closed caption (CC) track. One with two CC tracks (EN and EN-UK). A playlist with first CPL with CC EN, second CPL with CC FR. A playlist with first CPL with CC EN, Second CPL with two CC tracks EN-GP and FR. )

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### **Digital Delivery of DCPs - a technical document**

Discussion: A limited distribution was made for an initial draft of "DCP Content Delivery Methods."

Looking for feedback for the draft document. Will send a copy to the ISDCF reflector for comments.

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### **Brightness for center to corner**

There was a thread on the reflector: does the SMPTE / DCI spec call for a reduction in the corners for a uniform display like the LED.

Short answer: the goal of all displays is to be 100% across the entire screen. SMPTE 21DC may look at the documents to make sure it is clear that the 100% condition is the goal and that a lower value may be an acceptable value for the corners.

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Lunch Break

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## **Understanding DCI Documents**

DCI issues memorandum and errata from time to time. How can we understand what is actually intended and what is the motivation for many of these statements / requirements.

DCI believes that the documents speak for themselves. If there are questions they should use the email and ask questions, but responses may not be right away (or sometimes legal counsel says they can't respond).

It is possible to ask individual studios for their interpretation of a release. It's just that DCI can't make external statements without consensus.

Some are interested in a more engaging discussion.

Is there a problem? Do we need to encourage working sessions? If no problem, we can move on.

Other organizations (SMPTE) generally have those that are going to implement *in the room* when the standards are formed so one can understand the motivation. All documents are subject to interpretation, so some feel there is a problem.

Q. Has DCI considered having an advisory group under NDAs)?

A: Generally the challenge of making the legal aspects work would be difficult, but you can ask...

No clear guidance on this topic from the conversation...

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**TDL List management** - how to get updates to all TDL owners?

One midsize exhibitor circuit described that they don't yet have an FLMx methodology, so they see this as a real problem - although not yet a real pain point. This company said that they had 3 new requests for cert info for first-timers that needed to create keys.

The best place to put FLMx repository is in a NOC, but second best in TMS.

Suggestion for a non-profit to provide TDL list services, especially for festivals - the lack of infrastructure drives many distributors to provide content unencrypted.

EDCF is also considering this? A mention, but no details.

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**Next Generation Displays - Direct View and HDR projectors**

DCI issued "DCI Memorandum Regarding Direct View Displays, Approved 27 June 2018"

We saw this document last ISDCF meeting but without sufficient time to respond. Six weeks has past... do we know more?

We skimmed over the document and looked at a few of the requirements and confirmed that the document has a common understanding.

One person suggested that the "one screen height and no observable artifacts" was not good enough for a specification. He would submit

new language after thinking about it.

No specific suggestions were made during this meeting. Our discussion was more to understand what the document said/meant.

Side note: The LED installation at the Pacific Winnetka in Chatsworth, CA is showing a significant improvement in sound - not equivalent to traditional speaker installations, but much better than before.

Comments on HDR projectors? No discussion.

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### **Getting ADA movie capabilities information**

(no new information - will drop for next time)

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### **Any upcoming special formats?**

For 2019, 3D 60fps on the way (maybe 2D 60fps, but unclear)

A few 2.0 aspect ratio releases

A discussion on how to package 2.0 aspect ratio

If a theater has side masks (native scope) a flat packaged 2.0 results in black bars top/bottom. There is a problem, but delivery of both is not practical. No good answer - please keep encouraging creatives to stay scope or flat.

One studio is distributing most trailers with 7.1 audio.

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### **SMPTE-DCP Updates**

375 sites US/Canada still Interop only (about 2%)

Most other regions are shifting...

EDCF will describe a plan at IBC for helping international move to SMPTE-DCP.

One studio is using “standard” packaging techniques - no oversized packing lists that includes assets not referenced by the CPL. Working fine.

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

Moving forward (slowly)

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**Status of alternate audio language delivery**

Theater Ears is active in North America. Actiview is also active.

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**Theater Times reporting (a brief update - not an ISDCF topic)**

(A video report will be posted)

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**Brazil Sign Language**

Lots of internal discussions in Brazil. Request to delay until 2019... too hard to figure out what’s happening.

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**Naming Convention**

We still are looking for other example CPL names for the naming convention.

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Attendance on next page.

First Name	Last Name	Company	On the Phone
Sebastien	Betsch	CineVizion	ALLEN J
Dean	Bullock	CineCert	Andre - Qube Cinema
Reiner	Doetzkie	NEC	Andrew Poulain -
Rejyna	Douglass	Deluxe	Angelo Alvarez -
Kevin	Draper	Christie	Bill Elswick -
Michael	Fernandez	Disney	Brian Claypool -
CJ	Flynn	DCinema Tools	Charles Robinso
Anthony	Foster	GDC Technology	Daniel Schulz -
Andrew	Gaweda	Barco	Daniel Tan -
Yoshihisa	Gonno	Self	dave schnuelle - dolby -
Kirk	Griffin	Harkins Theatres	David Richards -
Wade	Hanniball	Universal	Dhanya -
Bill	Hogan	Clarity Image	Florian Schleich -
Lefkothea	Horner	Paramount	HARBAUGH DOUG
Jim	Houston	SWD	Harold -
John	Hurst	CineCert	J. Sperling Reich -
Pierre	Lemieux	Consultant	James -
Steve	Llamb	Deluxe	Jeff Battles -
Kirsten	Mills	Pixelogic	JIM ROBB
Mario	Murguia	ComScore	John Allen -
Mark	Nakano	Civolution	John Hurst -
Gerald	Pierce	--	Les Becherer
Rajesh	Ramachandran	qubecinema	Mark Collins -
Humberto	Ramirez	Cinevizion	PETER LUDE
Ben	Ritterbush	Bitcine	POULAIN ANDREW
Matt	Scoll	Eikon Group	ROBB JAMES
Matthew	Sheby	Consultant	ROBINSON CHARLE
Scott	Smyers	DTS	sean romano -
J. Philippe	Viollet	Dolby	Sieg Heep -
Erin	Von Hoetzendaff	NATO	Susie -
Chris	Witham	Disney	Thomas MacCalla -
			Tim Weeks -
			Tom Schmidt -
			Yoshi -