

ISDCF Main Meeting Notes – April 8, 2020

Upcoming Meetings

ISDCF June 10 Wednesday (Zoom Call only)

ISDCF July 22 Wednesday

Immersive plugfest September?

Part 1: General Reporting

Housekeeping:

- Zoom meeting (provided by NATO)
 - Set next meeting dates (above).
 - Thank you Universal for the facilities and parking.
 - Thank you Universal for support of the Chairman.
 - Thank you to Inter-Society for providing general expenses and admin support.
 - Meeting notes from February '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. 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.

Attendance is at end of these notes.

Action Items from February 12, 2020

1. Please Join Inter-Society! <https://isdcf.com/ISDCF/membership-status.html> \$500 per company per year, \$100 individual membership.
2. Add link to ISDCF Forum from the main page of ISDCF (it disappeared!)
3. Post on the Forum for information about the shut-down and equipment maintenance suggestions and link to isdcf website.

4. Revise IAB profile 1 document to change language for CPL metadata (make it optional); get input from others for modifications to the details; state the purpose of the document (defining the bitstream); Add version to 1.0 (in anticipation of future versions);
 5. Post information on ISO standardization - background and request for interest to the ISDCF/EDCF reflectors.
- 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.

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Organizational issues:

First ISDCF meeting post COVID-19 Pandemic. No in-person meeting this month (duh).

Zoom call provided by NATO - Recording made for notes only

Roll call skipped - attendees can see attendee list.

Note that **Jim Houston** had a heart attack and left us. Great guy having worked for years in our industry - recently with the Academy and Samsung.

CinemaCon cancelled this year. All get-togethers also cancelled.

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Lights Out and waiting to return...

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

The ISDCF webpage was shared and there were no comments on request for additions or modifications.

The full document is posted to: https://isdcf.com/MeetingNotes/ISDCF-IAB-Profile-1_DRAFT-20200407.pdf

The goal is to add this to the ISDCF list of Technical Documents and (if appropriate) submit to SMPTE for formalization.

The document is based on the tests performed during the ISDCF plugfest held in January. The document has item numbers so we can reference in discussions. This includes what *IS* supported and what *IS NOT* supported.

Should the CPL reference be “ISDCF” not “SMPTE” ?

There are some details in the document that need to be adjusted, but better for an off-line discussion.

It was suggested that this document defined “legacy content” and it should not include the CPL information since that is not part of existing Atmos product in the field. The counter is that the including of the CPL metadata would not fail playback on existing devices, so it would not hurt to be included. (It needs to be confirmed that playback is not restricted with the inclusion of CPL metadata.)

All existing Atmos content will not have the CPL metadata. The document should include language that the CPL metadata is OPTIONAL and if content does NOT have the CPL metadata it should be assumed it is profile 1.

A major discussion surrounded what the document was targeting - the restrictions on the bitstream itself or the capability of equipment. At the end of the discussion it seemed this was an authoring restriction document. A bitstream met and did NOT exceed the profile-1 restrictions. In the future a profile-2 restriction would be defined that would include features that are not in the profile-1 set of restrictions.

There was a discussion on our agreement from last meeting that new content, over time, will be labeled IAB. The labeling decision ultimately will be made by content providers. We need to socialize the change from “Atmos” to “IAB” through notification to all users to understand the change.

We should also define the current state-of-Atmos version number - currently Atmos - version 2.3.1.4, but there is some concern about putting this number in the document. Suggested language: “Profile One documents features of standard 2098-2 supported by

renderers in theaters as of January x, 2020.” But there was concern about the exact date. But why? Shouldn't this be self definition? Maybe there is a section showing the reasoning behind the profile 1 that is informative only.

An informative note indicating that Atmos legacy content meets profile 1 restrictions and may not contain CPL metadata.

Then the discussion of what is the goal of the document: identification of the bit stream restrictions (completely self-defined) or the capability of rendering hardware as of a date.

The Chairman thinks this document should define a bit stream and should be completely self contained. Rendering companies can indicate that their equipment would render bitstreams that meet the Profile one restrictions.

Next step is to get red-line version - time to get Brian to coordinate the changes to the next version.

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Naming Convention / LMT (Language Metadata Table)

HBO / MESA created a language table for broadcast and internet delivered content. This table may provide the same features as the ISDCF language table #1ab. There has been some discussion with SMPTE on creating a registry, similar to the GitHub registry that ISDCF uses for language tags.

ISDCF has two tables - one for languages (both spoken and screen text) and one for territory

The MESA table has single row for a language to include spoken and screen text.

ISDCF requires that the legacy codes for the naming convention be included in any combined registry.

It would take significant work to resolve the issues between the two methods – Work is ongoing to push to SMPTE as an ST, with accompanying Registry – More info to come.

Basically ISDCF has a system that works for our application. MESA has a new table that might be modified to be compatible and replace the ISDCF GitHub registry - but it will take significant work to resolve the conflicts in the tables and entries.

Bottom line - keep doing what we are doing - it's not broke, don't fix it - unless we can make the MESA transition with minimal interruption. A small group will continue talking with MESA/SMPTE/MovieLabs/HBO and attempt to jointly nudge to a good joint solution and if not, no big deal, ISDCF's works.

If you are interested in joining the effort, please contact Steve, Jerry or Harold.

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EDCF Update

All things changed due to travel restrictions. EDCF has a good overview document on the status of the industry including release schedules, state-of-different territories, etc. If you are a member, it's a good summary in one location.

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SMPTE-DCP

Update to SMPTE standards - B2.1 documentation - RDD-52 comments have been resolved. Next step is ST-Audit. Publication is a few weeks away.

How to we move to SMPTE-DCP trailers? Probably not the most important thing at this time.

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SMPTE Updates

New drafting group for RDD-53 in SMPTE 21DC on tone-mapping. If interested please join the group.

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ISO Updates: Call for interest.

Background: Many years ago, ISO adopted the SMPTE digital cinema documents for their international standards. But over time the SMPTE standards have been updated and the equivalent ISO documents are becoming out of date. It may be important to get these updated and maintained to have international ISO standards. If you are interested in maintaining or having an opinion please contact Steve or Pierre. Many of us think this is very important and realize that the ISO standards need to be updated.

Why should we have two sets of equivalent documents. Some International regions are not current on SMPTE, so look to ISO. Dave Schnuelle participates in the ISO-TC-36 committee and also offered to help guide the standardization in ISO.

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DCI update

Direct View document is approaching publication.

Question on OMB test procedures (IAB decoders). Probably next version of CTP, but no target date at this time.

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Digital Cinema Picture Levels

On hold at this time.

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Industry updates

RUMOR ONLY There are second hand reports that Sony Electronics has been telling exhibitors that they may be reducing their cinema business (projectors). Existing sales would be supported. A number of key employees in Sony Sales have left Sony. Not confirmed and no one from Sony was on the call. No information on the status of Sony's CLED product.

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Review of Action Items from last meeting.

Action Items from February 12, 2020

1. Please Join Inter-Society! <https://isdcf.com/ISDCF/membership-status.html> \$500 per company per year, \$100 individual membership.
2. Create note to LMT group on differences between the language tables and ISDCF table (Pierce to lead, LLamb, Harold, Matt, Pierre to edit) done.

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

3. 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.
4. Post new versions of the framing charts.
5. Get a new version of SMPTE-DCP B2.1 with fixed CPL.

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Attendance on next page.

First Name	Last Name	Company		First Name	Last Name	Company
Kumari	Bakhru	Disney		Andre	Lopes	Qubecinema
Jeff	Battles	Block by Block		Pete	Ludé	Mission Rock
Susie	Beiersdorf	Christie		Darren	Ma	
Tom	Bert	Barco		Thomas	MacCalla	Visions-in-Motion
Andre	Bonifay	Eikon		Ketan	Mehta	Qube Cinema
Dean	Bullock	CineCert		Kirsten	Mills	Pixelogic
Lester	Chew	Deluxe		Mario	Murguia	ComScore
Mark	Collins	Harman		Dickon	Neech	Deluxe
Angelo	D'Alessio	MIC		Loren	Nielsen	DTS/Xperi
Dustin	Devoy			Aaron	Owen	Cinematiq
Reiner	Doetzkie	NEC		Gerald	Pierce	ISDCF
Rejyna	Douglass	Deluxe		Andrew	Poulain	Dolby
Kevin	Draper	Christie		Mike	Radford	Disney
Charles	Flynn	DCinema Tools		Rajesh	Ramachandran	qubecinema
Anthony	Foster	GDC Technology		J. Sperling	Reich	Covergent
Sam	Francois			Mike	Renlund	Dolby Labs
James	Gardiner	D-Cinema.com.au		Sean	Romano	Eikon
Andrew	Gaweda	Barco		Mike	Rosenthal	Deluxe
Yoshihisa	Gonno	Self		Eric	Rosset	CineSend
Harold	Hallikainen	QSC		Dave	Schnuelle	Dolby Labs
Wade	Hanniball	Universal		Daniel	Schulz	Datasat Digital
Bill	Hogan	Clarity Image		Matty	Scoll	
Steve	Hopkins	Eikon		Pete	Sellar	Xperi/DTS
Lefkothea	Horner	Paramount		Matthew	Sheby	Consultant
Dan	Huerta	Cinionic		Scott	Smyers	DTS
Ben	Ing	Independent		Daniel	Tan	
JP	Jackson	Dolby Labs		Frank	Tees	Moving Image Tech
Eloise	Juryeff	MPS		Dusty	Thomas	GDC Technology
Sunil	Karanjekar	Harman Intl.		Brian	Vessa	Sony Pictures
Pierre	Lemieux	Consultant / DBox		Jean-Philippe	Viollet	Dolby
Steve	Llamb	Deluxe		Erin	Von Hoetzendoff	NATO
				Tim	Weeks	Village Cinema Australia