

# ISDCF Main Meeting Notes – June 10, 2020

## Upcoming Meetings

EDCF/ISDCF Social Call - Tuesday, June 23 8am

ISDCF July 22 Wednesday 10:00am - zoom

ISDCF September 23 10am Wednesday

Immersive plugfest ~~October?~~ Probably January or beyond...

## **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 April '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 June 10, 2020

1. Please Join Inter-Society! <https://isdcf.com> \$500 per company per year, \$100 individual membership.
2. ISDCF draft / send a message to SMPTE to ask that RDD-52 be made freely available.
3. Create a summary presentation of DCPL results/finding to help guide the next phase of the project. JerryP

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

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

===

### Organizational issues:

Zoom call provided by NATO - Recording made for notes only

NOTE: We had 68 attend this meeting (and we probably missed counting some that attended only part of the meeting). Zoom does work! (But I would rather meet in person every-so-often.)

===

### July restart?

One suggestion from the ISDCF/EDCF social hour - power up and run content at least 2-3 weeks before start up.

Studios - please provide keys with early play times for testing.

Dolby has posted keys and content to test systems. <https://www.dolbycustomer.com/cinema/TestContentKdms/>

(ISDCF also has content for testing - <https://www.isdcf.com/site/test-content/> )

Most managers want to see the real movie, not test content. Distribution - help exhibitors by getting content out early. Actually it seems that this is already being done!

Archive content being provided during this period are NOT new DCPs, but pulled from the archive. Trailers are lacking, but some are working on it.

No systemic problem seen so far in restarting.

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

===

## **ISDCF Immersive Audio**

The IAB profile 1 was posted to the reflector. (And posted to [https://isdcf.com/MeetingNotes/ISDCF-IAB-Profile-1\\_DRAFT-202006010.pdf](https://isdcf.com/MeetingNotes/ISDCF-IAB-Profile-1_DRAFT-202006010.pdf) with current version posted to <https://www.isdcf.com/site/technical-docs/> as document 15 (but the tech document posting may not remain for long term as the document moves to SMPTE). The goal is to take this to SMPTE as an RDD sponsored by ISDCF (and others).

Suggestion that we need an open document on what makes up “IAB Profile 1” for the immersive audio stream even after it becomes a SMPTE RDD document.

The goal is to have ISDCF do the “heavy lifting” on bring this document to best version meeting the needs of the community then bring to SMPTE.

The introduction is very critical to the discussion (from the document):

There is a need for a constraining document for the immersive audio bitstream defined in SMPTE ST 2098-2:2019. The full specification is not supported by the current installed base of renderers, and they may take time to be updated. Multiple vendors are making immersive audio renderers or authoring tools and need clear guidance on necessary features for deployment. ISDCF is creating this bitstream constraints document in anticipation of submission to SMPTE and in anticipation of future profiles that incorporate more features of the full ST 2098-2 specification.

This is a bitstream constraint recommended practice. It is intended to guide authoring products to restrict the usage of features that may not be rendered by some equipment in the field. A bitstream would be “qualified” to be an IAB Profile 1 bitstream if it did not exceed the guidance set forth in this profile. This document plus ST 2098-2 can be a fully self-contained guideline for bitstream construction.

Rendering solutions can indicate if they are capable of playing back IAB Profile 1, but this would be guidance to the user, not a definition. Future IAB Profiles (2, 3, etc.) could be supersets of Profile 1.

The document is based on the tests performed during the ISDCF Plugfest held in February 2020, and from information gathered directly by manufacturers. The document has item numbers for use as reference in discussions only. This list includes what is and is not currently supported in IAB bitstream based on current versions of rendering implementations.

It is believed that legacy content (Dolby Atmos) follows the guidelines of IAB Profile 1. None of this legacy content includes the CPL identification information defined in Section 4.

The target is for authoring tools to define the restriction needed to play on all immersive audio devices deployed in the world.

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.

Thanks to all that contributed to this document...

A subcommittee will be formed to move this document through the SMPTE RDD process. We would prefer this to be in SMPTE 21DC group. Jerry will chair this and Brian V, Steve L, JP V, will participate - if you are interested in participating contact Jerry/Steve to join the effort.

Future Plugfest? We should ask at each ISDCF meeting if there are updates to see if/when a plugfest would be appropriate. (Chances are the next profile would be the full features of the standard.)

What about plugfest OMB protocols? ( 430-17 / 430-14 ). Maybe in January? What kind of test content would be needed? The protocol is in draft publication in SMPTE. Could be published soon and we can reach out to see if manufacturers want to embrace and test. Probably needs to be in a LARGE booth (like Deluxe ITC). Maybe limited number of attendees for social distancing and travel may be a problem as well. Discussion will continue on this next plugfest.

===

## **Naming Convention**

Conversion of our Google sheets to GitHub registries is underway. Start with facilities and then move to studios and then more. The start is located at <https://github.com/ISDCF/registries> if interested: WATCH the adventures!

We conducted a demo and invited members to join the discussion.

Naming convention website will be re-built in Wordpress.

===

## **EDCF Update**

Appreciation of ISDCF/EDCF social sessions - do MORE!  
RDD sponsorship was submitted to EDCF board. (Thank you!)

===

## **Webinars ...**

Are we too saturated with too many webinars? Seems there is still a need, but mostly more focused now. Is there a need for someone to hold a calendars listing webinars and links?

It's important to have both live events and recording for playback.

===

## **SMPTE-DCP**

Update to SMPTE standards - B2.1 documentation - RDD-52. Waiting on IEEE to publish.

When do we want to change the ISDCF documents that are included in the RDD-52 (i.e. ISDCF Document 4 - audio channel assignments). BUT if the RDD-52 costs money and we want this information to be FREE.

Time to get SMPTE to publish this document for free. Jerry / Pierre / JohnH / Steve will draft a letter to send to SMPTE headquarters to make this request. We will ask for endorsements by ISDCF.

Documents related to XML are candidates to be open.

RDD-53 (Hybrid Tone Mapping) has been restarted. If you wish to participate contact [cedric.lejeune@claircolor.com](mailto:cedric.lejeune@claircolor.com)

===

## **Digital Cinema Picture Levels**

On hold at this time. Guidance for restart?

Perhaps we need a presentation to summarize the results of our first findings.

Key result: gain screens create a situation where the SMPTE screen spec is hard (impossible) to achieve.

There is a need to gather more data from around the world...

There is a need to define what has impact on the visual quality vs what can be measured. There is a SMPTE paper on this.

===

ISDCF Forum has some technical problems - anyone knowing php for formatting can contact Sperling to help get it fixed.

===

Note that CineEurope is going on-line this time \$50/ for the event!

===

## **Review of Action Items from last meeting.**

### **Action Items from April 8, 2020**

1. Please Join Inter-Society! <https://isdcf.com/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!) IN PROCESS
3. Post on the Forum for information about the shut-down and equipment maintenance suggestions and link to isdcf website. DONE

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); DONE
  5. Post information on ISO standardization - background a request for interest to the ISDCF/EDCF reflectors. WITH SMPTE - Ask Steve
- 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.

First Name	Last Name	Company	First Name	Last Name	Company
Aaron	Owen	Cinematiq	Kirk	Griffin	Harkins Theatres
Andrew	Gaweda	Barco	Kirsten	Mills	Pixelogic
Andrew	Poulain	Dolby	Lefkothea	Horner	Paramount
Andy	Lampard	MPS	Lester	Chew	Deluxe
Angelo	D'Alessio	MIC	Lon	Neumann	neumann Technologies
Anthony	Foster	GDC Technology	Mario	Murguia	ComScore
Bill	Hogan	Clarity Image	Mark	Collins	Harman
Brad	Lusher	Deluxe	Mark	Waterston	Qube Cinema
Brian	Vessa	Sony Pictures	Matin		HX Film
Cedric	Lejeune	Eclair Color	Matthew	Sheby	Consultant
Chao	Li		Matty	Scoll	
Charles	Flynn	DCinema Tools	Michael	Leader	
Chris	Witham	Disney	Mike	Rosenthal	Deluxe
Dan	Huerta	Cinionic	Mike	Radford	Disney
Daniel	Schulz	Datasat Digital	Mike	Renlund	Dolby Labs
Daniel	Tan	Pixelogic	Nicholas	Grieco	
Darren	Ma		Pete	Ludé	Mission Rock
Dean	Bullock	CineCert	Pete	Sellar	Xperi/DTS
Dustin	Devoy		Pierre	Lemieux	Consultant / DBox
Dusty	Thomas	GDC Technology	Rajesh	Ramachandran	Qube Cinema
Eric	King	Deluxe	Reiner	Doetzkie	NEC
Erin	Von Hoetzen	NATO	Rejyna	Douglass	Deluxe
Florian	Schleich	Fraunhofer	Richard	Kroon	EIDR
Frank	Tees	Moving Image Tech	Sam	Francois	
Gerald	Pierce	ISDCF	Scott	Smyers	DTS
Harold	Hallikainen	Self	Sean	Romano	Eikon
J. Sperling	Reich	Covergent	sebrown		
Jack	Watts		Steve	Llamb	Deluxe
James	Gardiner	D-Cinema.com.au	Sven	Mevissen	Xperi/DTS
Jean-Philippe	Viollet	Dolby	Thomas	MacCalla	Visions-in-Motion
Jeff	Battles	Block by Block	Tim	Weeks	Village Cinema Australia
John	Hurst	CineCert	Tom	Bert	Barco
Keith	Watanabe	CES	Wade	Hanniball	Universal
Ketan	Mehta	Qube Cinema	Yoshihisa	Gonno	Self
Kevin	Draper	Christie			