

**NATO**  
**Presentation Technology**  
**Committee Meeting**

**August 21, 2024**

# Attendees

Studio Meetings				
Disney	Universal	Warner Bros.	Paramount	DCI
<ul style="list-style-type: none"><li>• Mike Radford</li><li>• Jeff Forman</li><li>• Matt Kalavsky</li><li>• Chadd Barksdale</li><li>• Jacinthe Armstrong</li></ul>	<ul style="list-style-type: none"><li>• Jim Orr</li><li>• Jeff Greenspun</li><li>• Jesse Chow</li><li>• Kevin Posnanski</li><li>• Annie Chang</li><li>• Andrea Weiler</li></ul>	<ul style="list-style-type: none"><li>• Jeffrey Goldstein</li><li>• Scott Forman</li><li>• Kelly O'Connor</li><li>• Francis Orante</li><li>• Jeff Wilk</li><li>• Tonis Kiis</li></ul>	<ul style="list-style-type: none"><li>• Lefko Horner</li><li>• Chris Aronson</li><li>• Liza Pano</li><li>• Melanie Valera</li><li>• Melanie Knox</li></ul>	<ul style="list-style-type: none"><li>• Lefko Horner</li><li>• Andrea Weiler</li><li>• Arjun Grover</li><li>• Jesse Chow</li><li>• Melanie Knox</li><li>• Mike Radford</li><li>• Michael Green</li><li>• Michael Miller</li><li>• Matt Sheby</li><li>• Stephen Shapiro</li><li>• Michael B. Ayers</li></ul>

# Accessibility

## CAPTIONING ON TRAILERS

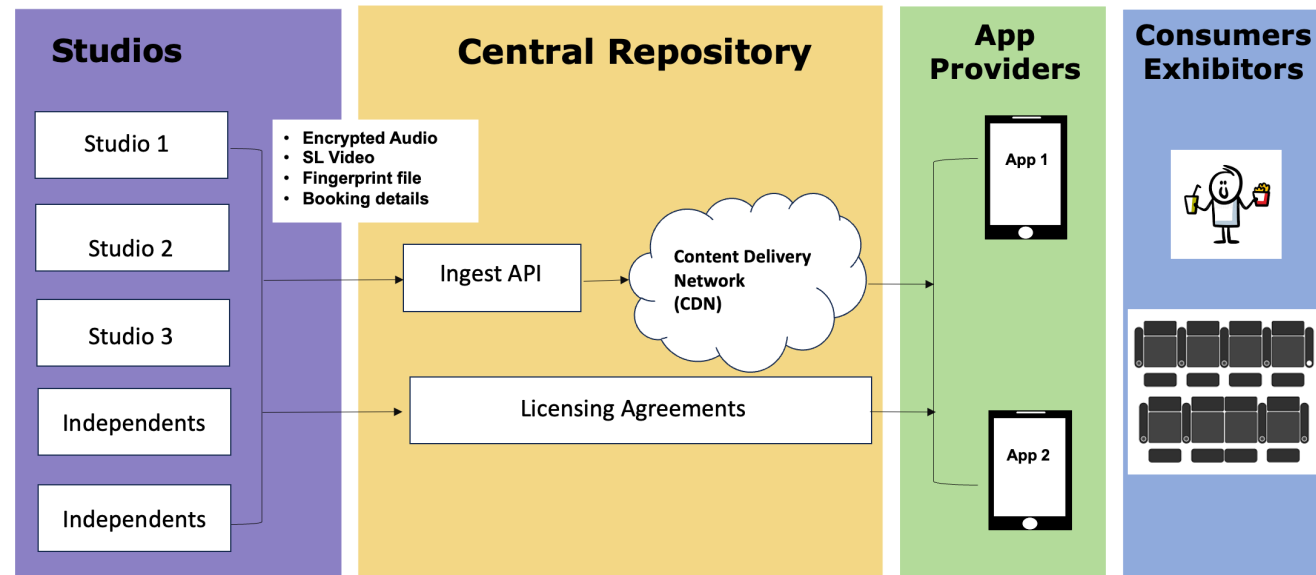
- Studios are willing to provide both open and closed captions to ensure guests have the best experience

## ACCESSIBILITY APP PROJECT FROM THE CINEMA FOUNDATION

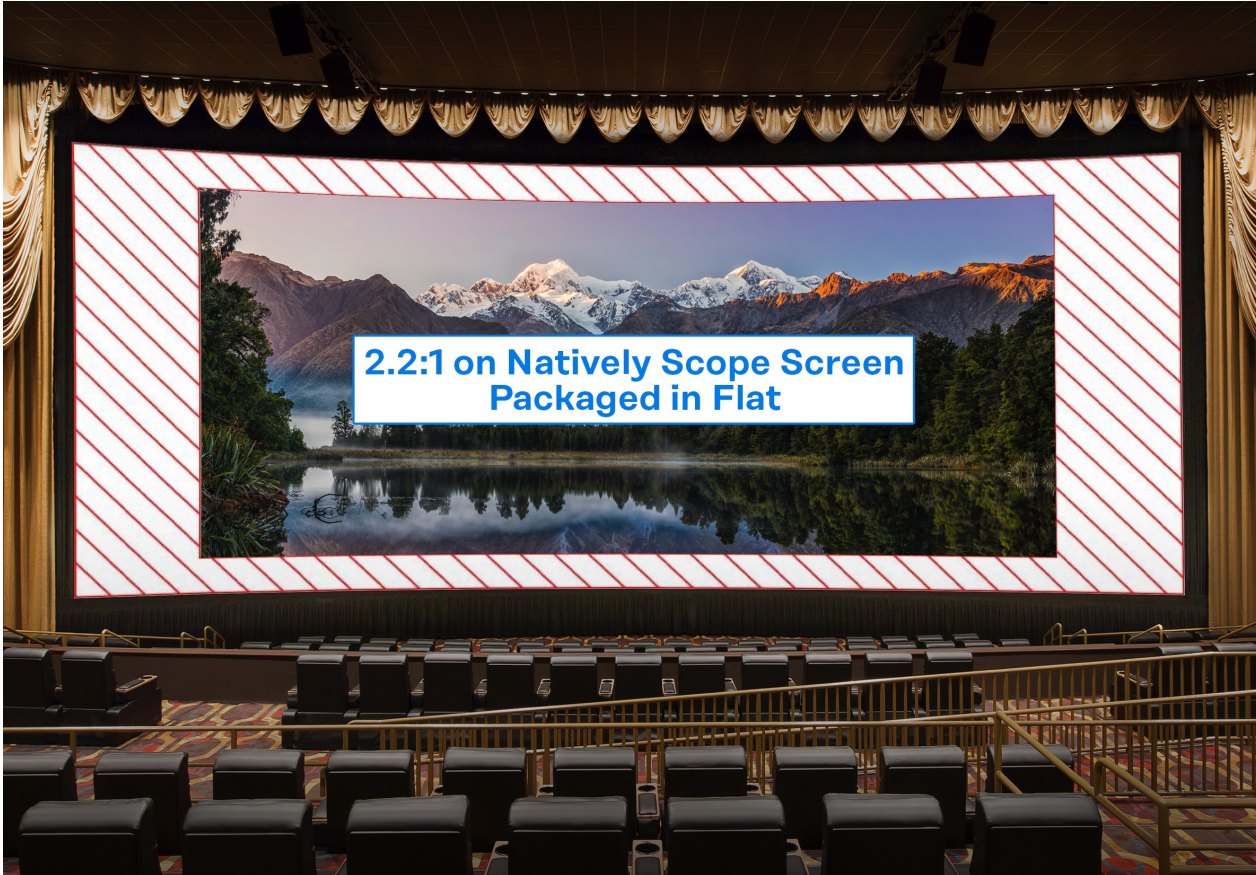
- The Foundation's Center for Innovation and Technology is moving forward with pursuing an open-source accessibility app project
- There are certain accessibility apps that exist internationally – we are trying to create consensus on requirements for such an app from studio, exhibitor, and user perspectives
- Be sure you continue to follow legal requirements on accessibility devices in your theaters

## REMINDER: LANGUAGE APP AVAILABILITY

- TheaterEars is an app that studios work with, which provides real-time translation in theaters



# Flat and Scope Packages



KR#1252134

## Joker: Folie à Deux (Flat & Scope Pre-Release V2)

Hello! You have received the content listed below for **Joker: Folie à Deux**. Please ingest the DCPs as soon as possible.

On average, it could take up to 48 hours to replace any faulty hard drive or E-Delivery failure, so we ask you to ingest the contents as soon as possible and schedule a quality check screening after the keys unlock the feature. **If you encounter any issues, please call our 24/7 Helpline at 1-800-99-FILMS (1-800-993-4567).**

**Note for aspect ratio:** The feature content is 2.20:1 aspect ratio and provided in both **FLAT and SCOPE** containers.

The **FLAT** DCP opens in a 4:3 ratio, followed by a 1.90:1 ratio for a short period then transitions to the 2.20:1 ratio for the remainder of the film.

The **SCOPE** DCP opens in a 4:3 ratio, before transitioning to the 2.20:1 ratio for the remainder of the feature.

STUDIO:	WARNER BROS
RUN TIME:	02:17:49
CREDIT START TIMECODE:	02:09:54
CRAWL START TIMECODE:	02:09:54
TOTAL PACKAGE SIZE:	389 GB
IMAGE FORMATS:	2D 4K Flat, 2D 4K Scope
AUDIO FORMATS:	5.1, 7i, Atmos
ACCESSIBILITY FEATURES:	N/A



Feature	UUID	SIZE
JokerFolieDeux_FTR-3_F_EN-XX_OV_51_4K_WR_20240808_DLX_SMPT_E_OV	e8b98927-4b20-43b1-9e7e-ff89d6f96153	174 GB
JokerFolieDeux_FTR-3_F_EN-XX_OV_71_4K_WR_20240808_DLX_SMPT_E_VF	571f8cc-093b-408b-a848-b64b12738bb	19 GB
JokerFolieDeux_FTR-3_F_EN-XX_OV_71-Atmos_4K_WR_20240808_DLX_SMPT_E_VF	e8b9a296-285d-4e0b-9129-4fa24868456	33 GB
JokerFolieDeux_FTR-3_S_EN-XX_OV_51_4K_WR_20240808_DLX_SMPT_E_OV	08b59f9b-722e-4bc0-a2e1-55d1a65c819c	173 GB
JokerFolieDeux_FTR-3_S_EN-XX_OV_71_4K_WR_20240808_DLX_SMPT_E_VF	24c1634c-73a0-47a7-917a-09d86196e4e8	19 GB
JokerFolieDeux_FTR-3_S_EN-XX_OV_71-Atmos_4K_WR_20240808_DLX_SMPT_E_VF	4e3f62f9-6116-49df-8149-8d2dc4cd40c8	33 GB
Policy	UUID	SIZE
WB-ANTI-PIRACY_POL_F_EN-XX_OV_M05_4K_WR_20220301_DLX_SMPT_E_OV	8b26a92b-80b3-4c2d-b1cb-953936c4d39	224 MB
WB-ANTI-PIRACY_POL_S_EN-XX_OV_M05_4K_WR_20220301_DLX_SMPT_E_OV	c71318f0-f4a1-40b4-9ba6-76d79be3b756	224 MB
WB-ExhibAntiPiracy_POL_F_EN-XX_OV_M05_4K_WR_20220301_DLX_SMPT_E_OV	7c587699-22ae-4b1c-bb84-86ea9970f5ab	379 MB
WB-ExhibAntiPiracy_POL_S_EN-XX_OV_M05_4K_WR_20220301_DLX_SMPT_E_OV	285886eb-b540-4f42-8f59-beec81485c7	383 MB

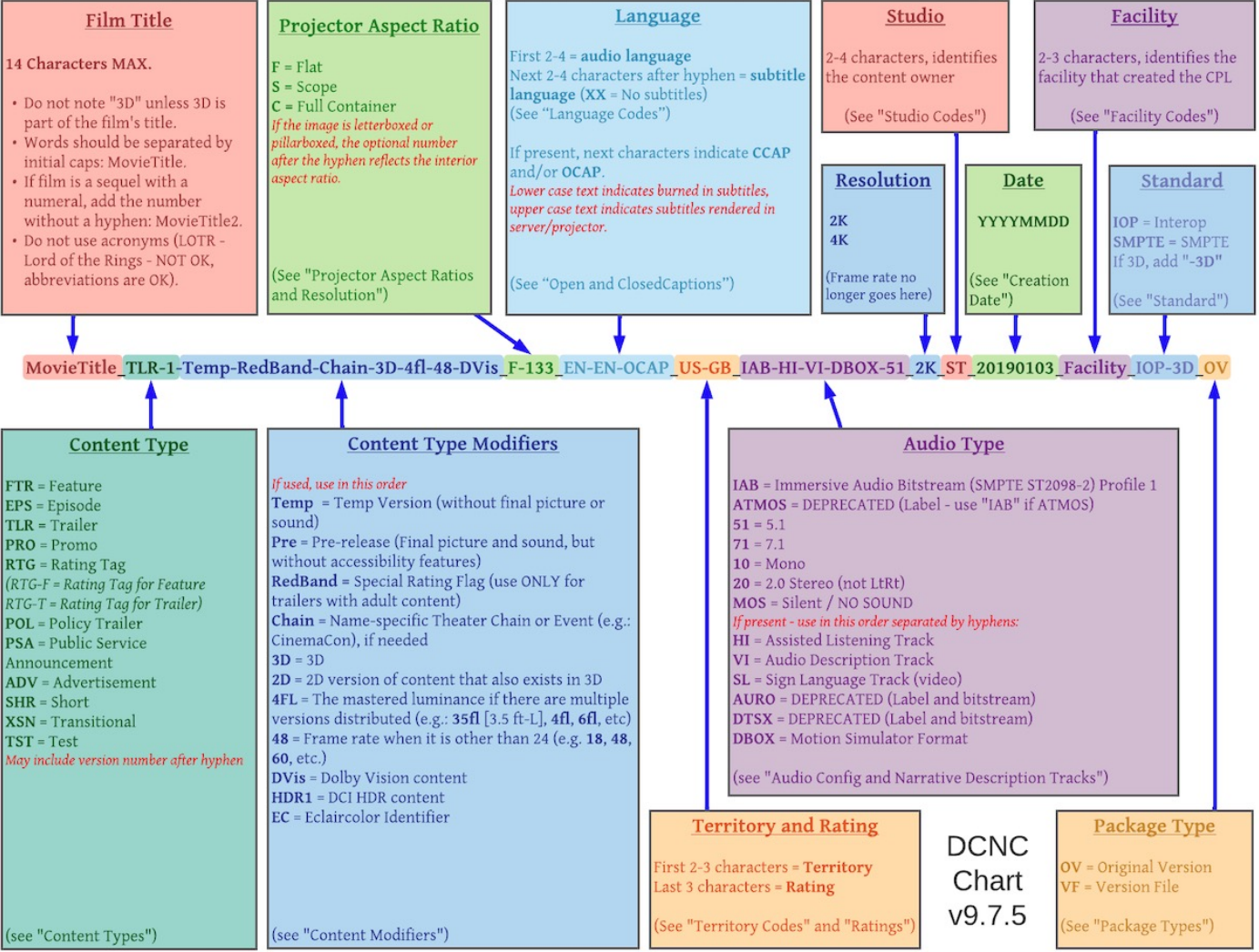
Now Available: A new, easier way to track and manage your content and keys.  
[www.bydeluxe.com/contentandkeymanager](http://www.bydeluxe.com/contentandkeymanager) | 1-800-99-FILMS | [ddchelp@bydeluxe.com](mailto:ddchelp@bydeluxe.com)



# Flat and Scope Packages



# IAB in the Naming Convention



## IAB AND ATMOS ARE THE SAME

- Studios lacked consensus on the use of IAB in the naming convention.
- If you have an immersive audio system in your auditorium, tell your teams to look out for several options: **IAB, ATMOS, IAB-ATMOS, ATMOS-IAB**
- For more info on the naming convention: <https://registry-page.isdcf.com/>





# Higher Color-Timed DCPs

## NEW PROJECTORS → BRIGHTER DCPs?

- Because the new projectors being installed are more powerful, would the studios be willing to provide an additional DCP that can play at a higher light level?
- NATO has some more work to do on understanding how widely a DCP like this would be used

# Legacy Server Issues

## ADVANCED NOTICE ON RELEASE ISSUES

- We are aware of several recent issues that resulted in content playback issues
  - JPEG 2000 Issue
  - Certificate Expiration
  - Subtitle Issue
- Studios reserve the right to withhold content from certain legacy projector/server combos if they exhibit content security risks or don't render playback as intended by the SMPTE DCP specification

## AGING EQUIPMENT

- Always be sure to implement new software and firmware updates as soon as possible
- Exhibitors are encouraged to develop projection equipment lifecycle replacement plans

## DCI WEBSITE – [dcimovies.com](http://dcimovies.com)

- DCI has an updated website
- New tool allows you to take a look at the recency of testing on projection hardware by manufacturer and model



# Other Topics

## DIGITAL SIGNAGE

- Be sure to offer studios advanced notice and warning on costs that may be funneled to them – remember, they are budgeting a year ahead for their marketing spends

## YOU'RE ALLOWED TO ASK STUDIOS QUESTIONS

- If you're thinking about investing in a new technological innovation and want to make sure studios are planning to support it with their content, just ask them!
- Not sure where to start/who to ask? We can help!

# What's Next?

## **CONTINUED OUTREACH**

- We need to have these same conversations with other studios, like Sony, A24, NEON, Apple, etc.
- We will set a more regular check-in cadence with DCI

## **SURVEYING MEMBERS**

- Immersive Audio
- Achievable Light Levels/Contrast
- Interest in EDR/HDR/Tru Cut/High Frame Rate
- Biggest Concerns/Opportunities

## **MORE FREQUENT ALL-MEMBER MEETINGS/EMAILS**

- We want to keep you informed more than just once per year

**QUESTIONS?**