



**INTERNATIONAL
COLOR CONSORTIUM**

ICC Colour Symposium

November 3, 2025

Hong Kong



ICC Mission Statement

*Create, promote and encourage evolution of an
open, **vendor-neutral**, **cross-platform** colour
management system architecture and components*





Founding Members

Adobe Systems Incorporated

Agfa-Gevaert N.V.

Apple Computer, Inc.

Eastman Kodak Company

FOGRA-Institute (Honorary)

Microsoft Corporation

Silicon Graphics Inc.

Sun Microsystems, Inc.

Taligent, Inc.





Today's ICC

55 international members

11 Steering Committee meetings per year

Regular ICC events in multiple countries

3 full meetings per year on 3 different continents

1 organization supporting industrial colour interchange standards.

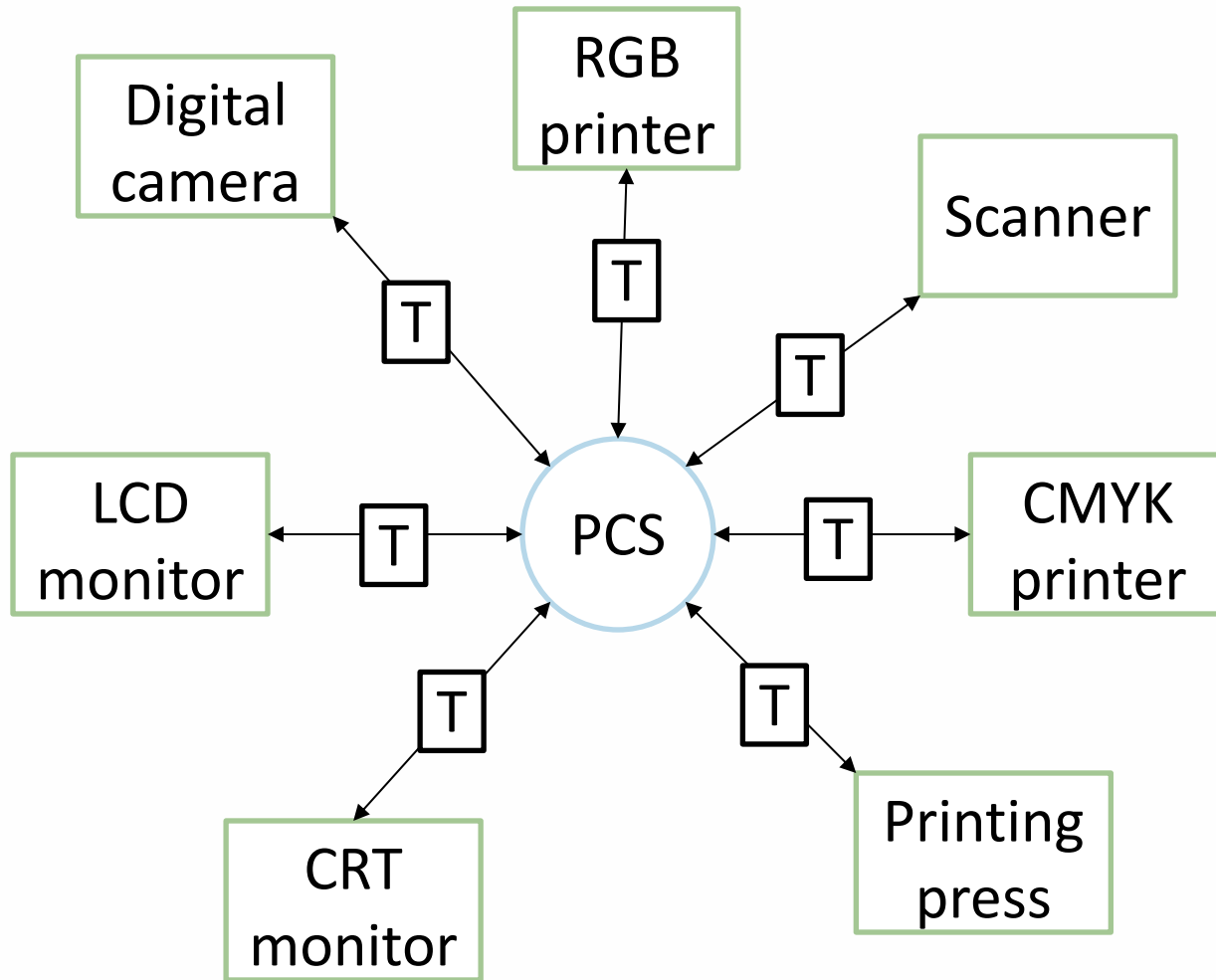




Join ICC!

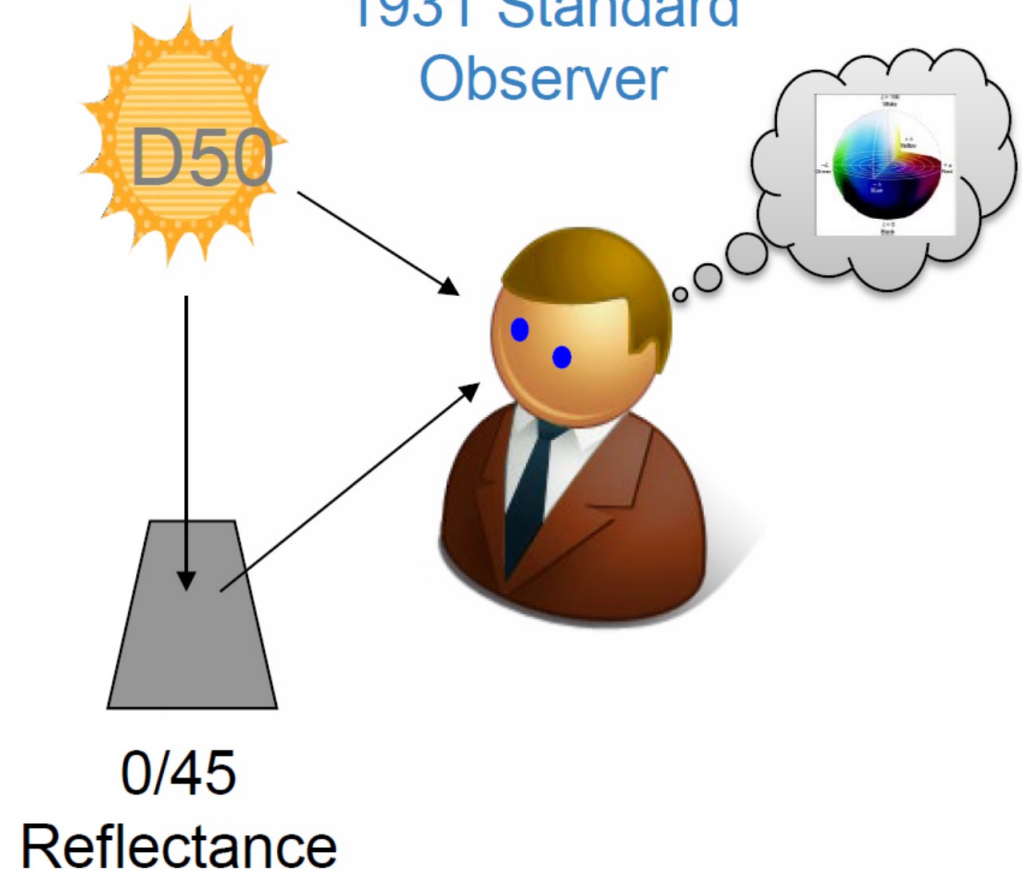
- **Active work areas:**
 - Packaging & Graphic Arts
 - Display
 - Architecture
 - HDR
- **Network**
 - Active companies
 - Colour scientists
- **Look ahead:**
 - Confluence of standards organizations





ICC v4 only partially addresses the questions
“What does it look like?”
“What is it?”

1931 Standard
Observer





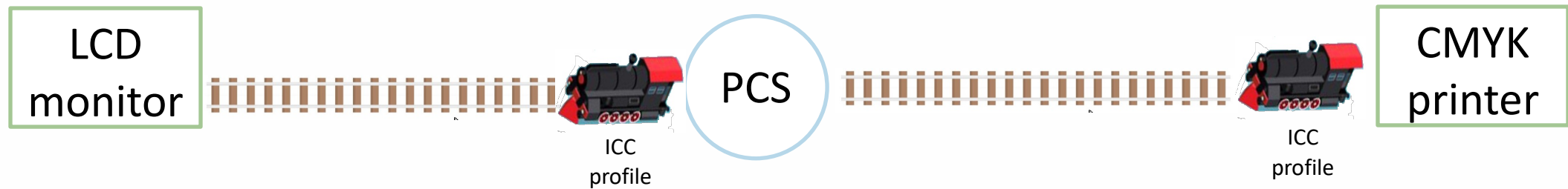
Challenges

- **HDR colors are not easily addressed by SDR profile connection space**
- **Various HDR tone mapping operations are not supported**
- **No colour management workflow accounts for individual color matching functions**
 - Causes problems for soft proofing





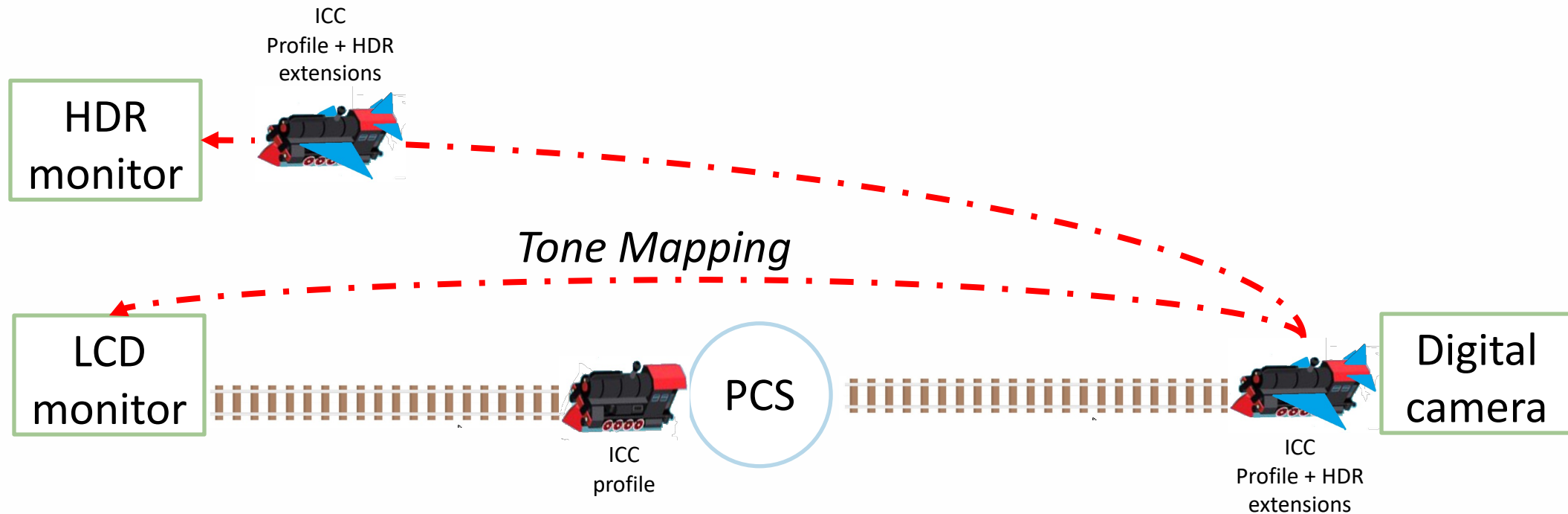
Basic ICC workflow



Color management is SDR and based on D50 with Standard 1931 observer



ICC HDR workflows



HDR-enabled profiles are ICC profiles with additional information that is used for HDR processing.
Backwards compatibility is ensured with existing ICC profile systems.
Requires system changes to support HDR workflows.



Today's Agenda

What is HDR	Timo Kunkel, Dolby Inc.
High Dynamic Range Photography & Imaging standards	Nicolas Bonnier, Apple
HDR and ICC	Luke Wallis, Apple
Break	15 Minutes
Current CIE work on HDR	Mekides Abebe, RIT
Current Plans for HDR in PDF	Dietrich von Seggern, Callas Software
Characterizing backlit media: and HDR print application	Dorin Pitigoi, Colour and standardization expert
Improving soft proofing performance with observer-specific colour matching functions	Chris Bai, BenQ
Lunch	12:45pm – 2:30pm