

PNG WG Meeting Minutes

Jul 7th, 2025

Attendees:

(Alphabetical order)

Chris Blume

Chris Lilley

Fared Alhassen

Topics & Minutes:

- Gain maps / gain curves / T.35 / rWTm
 - Another image format (JPEG XL?) adopted gain maps?
 - SMPTE 2094-50 (gain curves) release date?
 - It will take a while before SMPTE makes this public.
 - Perhaps 2-3 weeks before CL is granted access.
 - AOM will do a separate, open gain curve spec
 - This might be the better, more useful option for us anyway since it will include the encoding
 - Android 16 (released to Pixel devices June 10th) includes HDR screenshots which include a private PNG chunk for gain maps.
 - Google may document this.
- Negative cHRM values
 - Spec will be updated
 - Should we add a note that an old decoder might make a mistake?
 - No note needed for non-conformant decoders
 - Integers must be updated to be more than 31-bit
- Non-normative recommendation for decoders that encounter broken PNG files
 - Cosmin wanted this, but is unable to attend today. Pushing to next meeting.
- Pigz-style parallel encoding
 - CB began work but put it on hold. Will resume soon.

Action Items:

- CL to edit spec for negative cHRM values
- FA to email CL a liaison update
- FA to check with ISO about sharing gain map spec
- FA to ping Android team about providing documents
- CB to work on pigz-style parallel encoding