

PNG WG Meeting Minutes

May 1st, 2023

Attendees:

(Alphabetical order, black text means attended, red text means missed.)

Anne van Kesteren

Chris Blume

Chris Lilley

Chris Needham

Chris Seeger

Leo Barnes

Leonard Rosenthol

Pierre-Anthony Lemieux

Said Abou-Hallawa

Theresa O'Connor

Werner Neubrand

Topics & Minutes:

- What is needed to reach Candidate Recommendation?
 - Resolve horizontal review -> publish updated Working Draft -> submit to TAG
 - All new PNG items have been tested except eXIf, cLLI, mDCv, and iTXt language tag using BCP47
 - Can cLLi and mDCv even be tested? Tone mapping isn't a standard process, right? Perhaps most implementations are similar enough?
 - 4000 nit cinema vs 1000 nit broadcast might produce different-enough peak white to test. SDR->HDR conversion is 203 nit. 1000 max cll / 400 max fall and 1000 / 250 are common for static values.
 - It might not be possible today to test HDR + canvas. These tests might not be do-able until that is ready.
 - Video tag with HDR image (still frame, continued) + image tag with same still image and max luminance, color volume, etc. Draw the image into a SDR (sRGB) canvas. Do the same with the video into a separate canvas. Compare the pixels to make sure however the tone mapping was applied was the same.
 - Since iTXt is likely ignored by browsers, I don't think we can WPT it. Is anyone interested in manually testing the iTXt language tag?
 - Manually create positive & negative BCP47 and see if various tools recognize them.
 - Is anyone interested in writing an eXIf test?

- There is an existing CSS test which might be useful here.

Action Items:

- CL to update GitHub tags to indicate enter vs. exit criteria for CR.
- CL to look into eXIf rotation test.
- CL to review commit history and update change history.