

PNG WG Meeting Minutes

Jan 6th, 2025

Attendees:

(Alphabetical order)

Chris Blume

Chris Lilley

Chris Needham

Chris Seeger

Cosmin Truta

Simon Thompson

Topics & Minutes:

- Should libpng wait to release until mDCV & cLLI are implemented or should it release now to get cICP out to the public?
 - Chyron uses libpng and wants cICP, mDCV, and cLLI for the upcoming Olympics broadcast.
 - The cICP patch is ready. It could use more testing but is likely sufficient. The mDCV & cLLI is likely ready.
 - We will likely have a libpng release today with cICP and another release shortly after with mDCV and cLLI.
- Should cHRM values be changed to signed?
 - I still haven't heard back about what level of breakage is allowed.
 - This likely can happen. But it will probably happen in 4th Edition, so it can sit on the back burner.
- Discuss [GitHub pull request 472, adding full & narrow range examples](#).
 - There are some test patterns that store narrow range in order to show overshoot (sub-blacks and super-whites).
- We might need to clarify that mDCV and cLLI are defined here but NOT how they are used.
 - Apparently [GitHub issue 319 disagrees](#).
- Once the spec warning is fixed, should we make a new snapshot / candidate recommendation?
 - "Yes" all around

Action Items:

- CB to fix spec warning
- CB to write strawman for generic image-type data
- CB to implement [data gathering for Chrome PNGs](#)

- cICP after PLTE
 - mDCv/cLLi
 - Duplicated eXIf chunks (one before IDAT, one after)
- CT to release an update to libpng
- CB to double check that tone mapping algorithm is not forced by the spec
- CL to update implementation report w/ cLLI & mDCV
- CB & CT to investigate the difference between eXIf from the spec and eXIf from prior mailing list votes. We might have more restrictions.
- CB to add Chrome metric to look for Collection keyword