State of FFV1 specifications

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Specs vs reference encoder

Reference encoder has some known bugs

Reference decoder supports them

Challenging to change now (files already in the wild)

We updated specs with documentation of "exceptions"

We may remove them in the next version of the format
Cleanup

We use everywhere the same name for the same thing (capitalization included)

Formatting for being more compatible with RFC style

We corrected some typos (e.g. unsigned in decoder, signed in specs)
More explicit specification
Rewording of some sections
Adding more descriptions
Matroska binding

V_FFV1 CodecID

FFmpeg supports it

FFmpeg does not write it by default (compatibility with older versions)
The Pixel() description is missing
Lot is already described in plain English
We need to make an explicit C-like description
Implementations

FFmpeg encoder/decoder

libav encoder/decoder (fork from FFmpeg)

MediaInfo decoder (different implementation)
FFV1 v4

Request for supporting more pixel formats

And more native metadata (not relying on the container metadata)

Optimization of the algorithm?
Questions?