

RTP Payload Format for Uncompressed Video

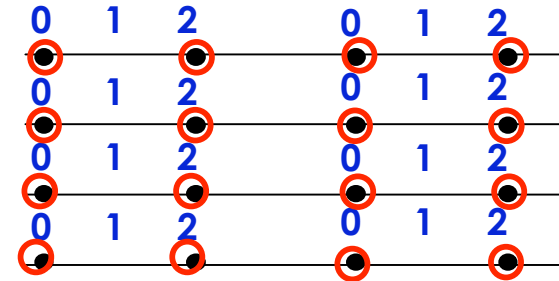
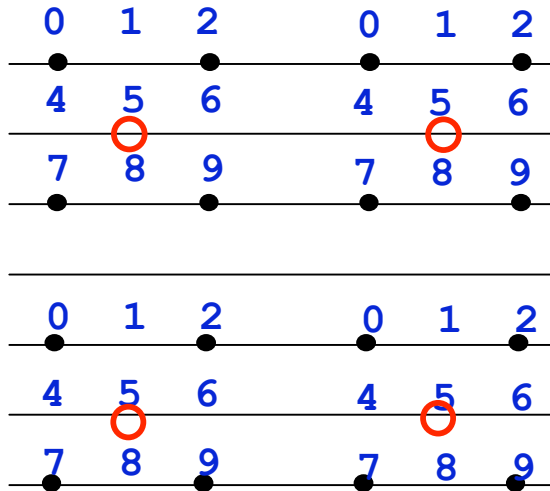
draft-ietf-avt-uncomp-video-04

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Changes since -03:

- o **M bit:**
 - progressive video: indicates end of frame
 - interlaced video: indicates end of each field
- o **90Khz timestamps:**
 - MUST -> SHOULD
- o **Draft now references RFC3550**
- o **Added SDP parameters:**
 - **top-field-first**
 - An optional parameter for interlaced video, when present it indicates that chroma samples are packetized starting with the first line of field 1
 - **chroma-position: a,b**
 - Indicates sampling position of chroma value

chroma-position

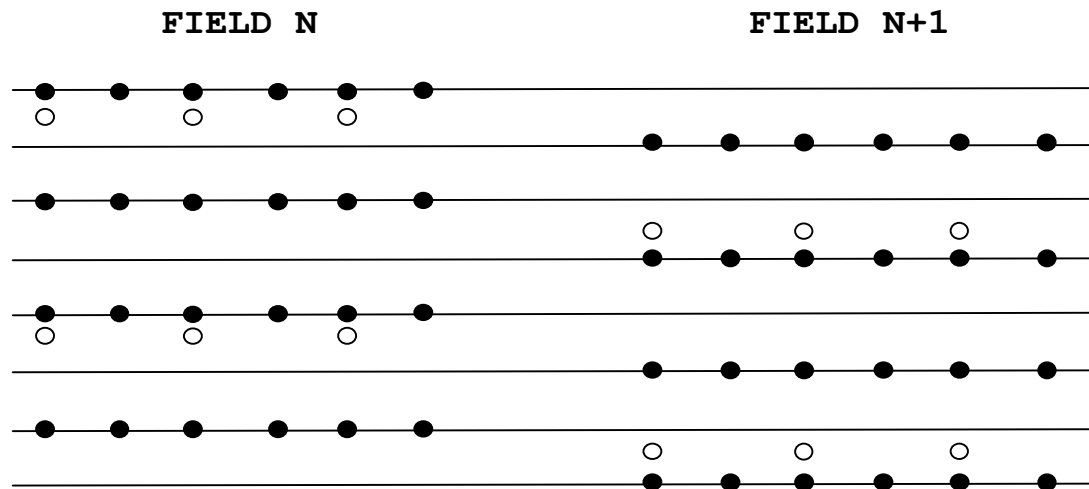


4:2:2 video chroma-position = 0,2

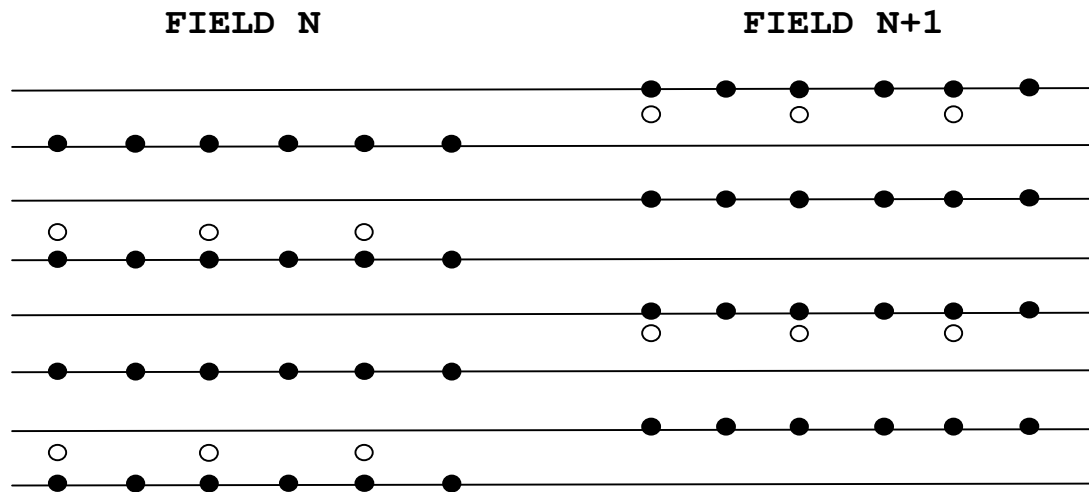
4:2:0 video with chroma-position = 5

- The numbering is general: from left to right and top to bottom, applies to any color sub-sampling.

Top-field-first



4:2:0 sampling for MPEG2 with top-field-first



4:2:0 sampling for MPEG2 without top-field-first

SDP example:

Required:

rate,
sampling,
width, height, depth,
colorimetry
chroma-position

Optional:

interlaced,
top-field-first

m=video 30000 RTP/AVP 112

a=rtpmap:112 raw/90000

**a=fmtp:112 sampling=YUV-4:2:0; width=1280; height=720;
depth=10; colorimetry=BT.709-2, **chroma-position=4**, interlaced,
top-field-first**

Last Call?

- Is the draft ready for last call?