

The Layer Refresh Request (LRR) RTCP Feedback Message

draft-ietf-avtext-lrr-01

Jonathan Lennox

Danny Hong

Justin Uberti

Stefan Holmer

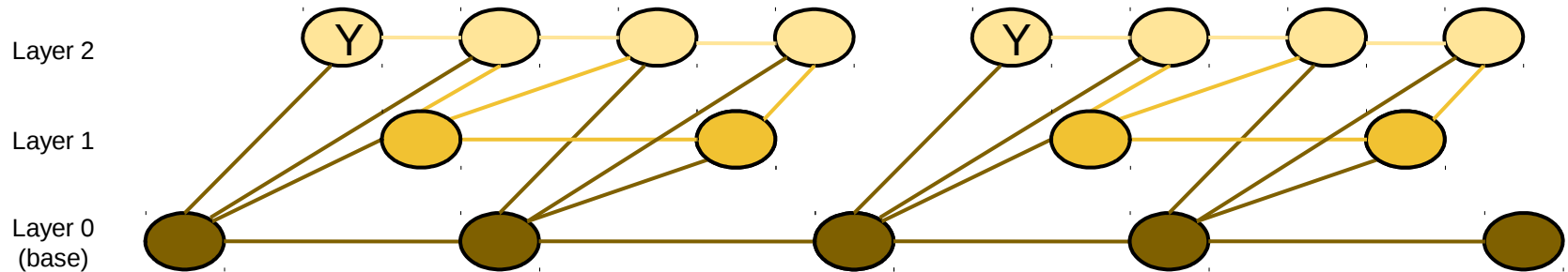
Magnus Flodman

AVTEXT, IETF 94

Changes since version -01

- Added descriptions for detecting layer switching points for VP8, H.265 temporal.

Issue with VP8 Y bit



0-2

0-1

- The 0->2 layer refresh point can get the Y bit, but the 0-1 point can't.
- If layer 2 is stripped, decoder can't recognize a 0-1 layer refresh.
- Thus, a sender that supports LRR for VP8 has to break its structure on getting a 0-1 LRR, so it can legitimately set the Y bit on a layer 1 frame.

Next steps

- This draft is largely done.
- Need to:
 - Write IANA considerations.
 - Copy rules from FIR for reliability/retransmission/multipoint
 - Align layer syntax with frame marking?
- Do we want to move VP9 rules to the VP9 payload draft?
 - VP9 payload feels like it could take longer.

Related open issue: FIR for spatial MRST/MRMT

- We discussed this at Prague, I mailed the list, no responses.
- I'd like to get consensus now.
- Proposal: it really does mean “full Intra.” Refresh all.
 - So MRST/MRMT is different than simulcast.
- Question: where to document this?