The Layer Refresh Request (LRR) RTCP Feedback Message

draft-ietf-avtext-lrr-01

Jonathan Lennox
Danny Hong
Justin Uberti
Stefan Holmer
Magnus Flodman

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Changes since version -01

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