

IETF#74 – 16-22 November 2008

FECFRAME

draft-ietf-fecframe-framework-03

draft-ietf-fecframe-raptor-00

draft-watson-fecframe-rtp-raptor-00

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draft-ietf-fecframe-framework-03

- Changes from -02
 - Add possibility for FEC Schemes to specify RTP transport for repair flows
 - (revised architecture on next page)
 - Short discussion of feedback
 - Recommend use of RTP/RTCP for new applications that need feedback



draft-ietf-fecframe-raptor-00

- Defines 3 FEC Schemes for the Raptor code
 - Raptor FEC Scheme for arbitrary packet flows
 - As defined in 3GPP
 - Protects multiple source flows, using source packet tagging to identify source packets
 - Optimised Raptor FEC Scheme for arbitrary flows
 - As standardised in DVB
 - Restricted set of block sizes and code shortening used to optimise for high-bit-rate applications
 - Raptor FEC Scheme for a single sequenced flow
 - As standardised in DVB
 - Restricted to a single flow with source packet identification based on a pre-existing sequence number (e.g. RTP Sequence Number)

draft-watson-fecframe-rtp-raptor-00

- RTP Payload Format for the Raptor FEC Schemes defined in draft-ietf-fecframe-raptor
- Align with recent changes in DVB
- Define handling for RTP Header fields as per DVB
 - Marker bit: set on last packet of each FEC block
 - Timestamp: based on packet transmission time