FECFRAME

draft-ietf-fecframe-framework-03
draft-ietf-fecframe-raptor-00
draft-watson-fecframe-rtp-raptor-00

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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
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)
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