
Audio/Video Transport Working Group

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Stephen Casner -- *Cisco Systems*

Colin Perkins -- *UCL*

Mailing list: [rem-conf\[-request\]@es.net](mailto:rem-conf[-request]@es.net)

Wednesday Agenda

- Introduction and document status 5
 - » RTP spec and profile advancement 20
 - » Payload format for Comfort Noise 10
- RTP retransmission
 - » RTCP reporting extensions 5
 - » RTCP-based retransmission 15
 - » Payload format for selective retrans. 15
- Header compression/multiplexing
 - » CRTP extensions 15
 - » Multiplexing with tunneled CRTP 10
 - » CRTP+MPLS compression 5
- Authentication 5

Thursday Agenda

- G.722.1 payload format 5
- AMR payload format 10
- DV video, DV audio 15
- HDTV and AC3 payload format 10
- Loss-tolerant MP3 10
- MPEG 2 Transport Stream 10
- Transport of MPEG-4
 - » Elementary stream payload format 15
 - » Generic, error resilient payload format 15
- Charter bashing 10

RTP Drafts in Process

- RFCs recently published:
 - » FEC payload format (RFC 2733)
 - MIME registration draft-ietf-avt-fecmime-01.txt
 - » Payload format guidelines (RFC 2736)
 - » SSRC Sampling (RFC 2762)
- Drafts at IESG awaiting publication:
 - » RTP MIB
 - » DTMF tones payload format
 - » Pointer payload format

Companion Drafts for RTP Spec

- **MIME reg., RTCP bw specs – Proposed**
 - » [draft-ietf-avt-rtp-mime-02.txt](#) - added L16 preemphasis
 - » [draft-ietf-avt-rtcp-bw-01.txt](#) - just version increment
- **RTP interoperability statement**
 - » [draft-ietf-avt-rtp-interop-02.txt](#)
 - » [draft-ietf-avt-profile-interop-00.txt](#)
- **RTP/RTCP testing, scalability – Inform.**
 - » [draft-ietf-avt-rtptest-02.txt](#)

Status of RTP

- WG Last Call completed in DC with agreed set of edits, done in January
 - » Spec is [draft-ietf-avt-rtp-new-06.ps,txt](#)
 - » Profile is [draft-ietf-avt-profile-new-08.ps,txt](#)
- AD was not able to start the review
- A few small changes based on email
 - » Spec is [draft-ietf-avt-rtp-new-07.ps,txt](#)
- Received changes from ITU for G.729, G.723.1 to go in profile

But...

- We have not yet completed the interop matrix; any functions not implemented would have to be removed
- At TSV directorate dinner, an additional concern was raised: congestion control

Congestion Control in RTP

IESG: Other protocols are required to have congestion control, why not RTP?

- Applies to unicast, but perhaps not multicast
- Just an applicability statement?
 - » If you don't do CC, the network will bite you
 - » Establish a loss threshold based on TCP CC equivalence function, adapt/stop when exceeded
 - Need to know RTT, and loss pattern over RTT
 - Is RTCP feedback sufficient?
- Defer this issue to the profile, app stmt there