
Audio/Video Transport Working Group

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Mailing list: **We propose to change it!**

Wednesday Agenda

- Introduction and document status 10
- Secure Real-time Transport Protocol 15
- RTCP extension for SSM sessions 15
- RTCP backchannel / RTP retransmission
 - » Concepts and message timing rules 10
 - » Low-delay RTCP feedback format 10
 - » Discussion 10
 - » Retransmission payload format 15
- RTP spec/profile to Draft Std 20
 - » Congestion control in RTP
 - » Interoperability status / packaging / timing
 - » Other RFCs & drafts that are waiting

Thursday Agenda

- Possible PWOT update 5
- Payload format for generic FEC with ULP 15
- Payload format for AMR + AMR-WB 15
- Payload format for EVRC speech 15
- Payload format for Vorbis 15
- Payload formats for MPEG4
 - » Sync Layer streams 15
 - » FlexMultiplexed streams 15
- Other work / Charter update 15

Presenters Please Note!

- Have your laptop ready (full screen)
- Please send your slides to the chairs for inclusion in the minutes ('97 if in ppt)
- When making your presentation, please say if:
 - » There is IPR associated with your draft
 - » Your draft is *not* offered in accordance with Section 10 of RFC 2026

Moving WG Mailing List

- rem-conf@es.net list has some problems
 - » Messages not going to IETF archive
 - » Some people can't send to the list
 - » Lack of response from list administrator
- Propose new list hosted at ietf.org
 - » No automatic subscription transfer
 - » Will announce on rem-conf
 - » Official msgs to new list bcc rem-conf
 - » Will redirect posters to new list

RTP Drafts in Process

- RFCs recently published:
 - » Payload format for G.722.1 audio (RFC 3047)
- Drafts awaiting publication:
 - » Payload formats for DV audio & video - audio draft revised
 - » Loss-tolerant MP3 audio - waiting for Apple
- WG last call
 - » RTP spec and A/V profile

Changes to DV Audio Payload

- Edited text to clarify wording
- Specify the order of bits, samples
- channel-order parameter now uses fixed set of compound symbols
- Need another revision:
 - » Specify handling of L16 value 0x8000
 - » Add note that some channel combinations are allowed only for subset of encodings

Status of RTP

- Congestion control
 - » Reference to RFC 2914 in RTP spec
 - » Additional paragraph in A/V profile
- Completion of interoperability matrix
 - » All items in RTP spec done or pledged
 - » Pass phrase, TCP encapsulation and some payload formats deleted from profile
- WG re-Last Call ends now
 - » A few comments

Congestion Control

- Added “measured on a reasonable timescale” for throughput comparison

- Added a new paragraph:

The comparison to TCP cannot be specified exactly, but is intended as an "order-of-magnitude" comparison in timescale and throughput. The timescale on which TCP throughput is measured is the round-trip time of the connection. In essence, this requirement states that it is not acceptable to deploy an application (using RTP or any other transport protocol) on the best-effort Internet which consumes bandwidth arbitrarily and does not compete fairly with TCP within an order of magnitude.

Interop Matrix: RTP Spec

- Interop draft for RTP spec lists some FAILs that were not deleted:
 - » SDES PRIV - Magnus Westerlund will test
 - » BYE with multiple SSRC - done
 - » Reverse reconsideration - M. W. will test
 - » BYE reconsideration - Magnus has implemented, Colin Perkins to implement in RAT
 - » RTCP member timeout - done
- Propose April 15 completion date

Interop Matrix: A/V Profile

- Mapping of pass phrase to canonical form - *deleted*
- Two-byte TCP encapsulation - *deleted*
(encapsulation spec left to applications)
- Payload formats 1016, G723, GSM-HR, GSM-EFR, BT656, BMPEG, H263 (1996), MP1S, MP2P, MP2T - *deleted*
- ⇒ G723, H263 now done, will be restored
- G726-16,24,40 added - Magnus to test

WG Last Call Comments

- Glenn Parsons: use MIME type audio/32kadpcm vs. audio/g726-32?
 - » We need to have the names used in the profile be registered, but should add cross-reference in MIME registration
- Harald Alvestrand: Does spec for RTCP preclude the use of SSM?
 - » No, can turn off RTCP (BW modifier), or use unicast RTCP reflection (an instance of “RTP translator”)
- Magnus Westerlund: Requirement to include SDES CNAME is inconsistent with split RTCP encryption
 - » Yes, need to add exception

Proposed Schedule

- Now:
 - » Issue WG last call on:
 - RTP Testing Strategies draft-ietf-avt-rtpptest-04.txt
 - Comfort Noise payload draft-ietf-avt-rtp-cn-01.txt
- Next week:
 - » Submit MIME revision, request IESG last call on:
 - MIME registrations draft-ietf-avt-rtp-mime-05.txt
 - SDP RTCP BW modifiers draft-ietf-avt-rtcp-bw-03.txt
 - » Submit revised RTP spec and profile drafts, request IESG last call for Draft Standard
- Review overlaps with interop completion

Related Schedule for CRTP

- **May 1:**
 - » Submit draft revision of CRTP (RFC 2508) and issue WG last call for Draft Standard (needs RFC 2507, 2509, too)
- **May 15:**
 - » Submit revision of CRTP enhancements & TCRTTP drafts and issue WG last call (Proposed, BCP)
 - » Request IESG last call on RFC 2508bis
- **June 1:**
 - » Request IESG last call on CRTP enh. & TCRTTP