

Audio/Video Transport Core Maintenance Working Group

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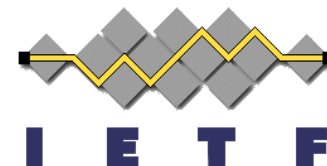
Roni Even

<http://tools.ietf.org/wg/avtcore/charters>

Jabber room: xmpp:avtcore@jabber.ietf.org

Audio: <http://ietf81streaming.dnsalias.net/ietf/ietf806.m3u>

Room 208 AB



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Agenda - Wednesday

- 09:00 AVTCore Status Update (Chairs, 20)
- 09:20 Encryption of Header Extensions in SRTP (Lennox, 15)
- 09:35 RTCP Extension for Feedback Suppression Indication (Qin Wu, 15)
- 09:50 Monitoring Architecture for RTP (Qin Wu, 15)
- 10:05 RTP Multiple Stream Sessions and Simulcast(Magnus Westerlund , 30)
- 10:35 Delayed Duplication Attribute and Duplication Grouping in SDP(Begen, 15)
- 10:50 Retransmission for SSM Sessions (Begen, 10)
- 11:00 Multiplexing of RTP traffic for Browser based RTC (Magnus, 30)
- 11:30 End

Document Status

- RFC Published
 - RFC 6184 draft-ietf-avt-rtp-rfc3984bis.
 - RFC 6185 draft-ietf-avt-rtp-h264-rcdo
 - RFC 6190 draft-ietf-avt-rtp-svc
 - RFC 6222 draft-ietf-avt-rtp-cnames
 - RFC 6263 draft-ietf-avt-app-rtp-keepalive
 - RFC 6285 draft-ietf-avt-rapid-acquisition-for-rtp
 - RFC 6284 draft-ietf-avtcore-ports-for-ucast-mcast-rtp
- RFC editor queue – Auth48
 - draft-ietf-avt-rtp-ipmr
- RFC editor queue
 - draft-ietf-avt-forward-shifted-red

Document Status

- In Publication states
- IESG processing
 - draft-ietf-avt-srtp-not-mandatory – AD followup

Document Status

- Other working group documents
 - draft-ietf-avt-srtp-ekt-02 – looking for review, ready for WGLC?
 - draft-ietf-avtcore-srtp-vbr-audio-03 – Revised based on WGLC. Publication?
 - draft-ietf-avt-srtp-aes-gcm-01 – need update, will progress after EKT.
 - draft-ietf-avtcore-ecn-for-rtp-04 – ready for WGLC?
 - draft-ietf-avtcore-idms-01 – New WG document.

Milestone Review

- Feb 2011 - Submit Monitoring Architecture for RTP for Informational
 - Progressed, need to decide on open issues.
- Feb 2011 - Submit Guidelines for the use of Variable Bit Rate Audio with Secure RTP as Informational (or possibly BCP)
 - Revised based on WGLC comments
- Apr 2011 - Submit in band keying mechanism for SRTP draft for Proposed Standard
 - Need revision
- Apr 2011 - Submit Explicit Congestion Notification (ECN) for RTP over UDP for Proposed Standard
 - WGLC?
- May 2011 - Submit RTCP indication for retransmission suppression as Proposed Standard
 - Need to decide on open issues
- Sep 2011 - Submit Encryption of Header Extensions in the Secure Real-Time Transport Protocol (SRTP) for Proposed Standard
 - Need revision based on review, afterwards WGLC.
- Dec 2011 - Submit Real-Time Transport Control Protocol (RTCP) in Overlay Multicast for Proposed Standard
- Mar 2012 - Submit Specification for Inter-destination Media Playout Synchronization in RTP to IESG for publication as Proposed Standard

RTP Payload Format Registries

- RTP Payload Types are identified by Media Types:
 - The main registry that avoids collision etc.
 - <http://www.iana.org/assignments/media-types/index.html>
 - Registration in this registry is required, and works as intended
 - There is a second registry:
 - RTP Payload Format media types
 - <http://www.iana.org/assignments/rtp-parameters>
 - This registry is intended to contain all media types that have RTP Payload formats
 - The issue with the second registry:
 - Poorly maintained, and a lot of formats are missing
 - Limited extra value, only usable if you want to know all RTP payload formats
 - Unknown that it exist
 - Alternative ways forward:
 1. The registry is corrected and WG chairs and all enforces that IANA sections in the future request registration also in this registry.
 2. We discontinue the use of the registry and have IANA mark it so

draft-singh-avtcore-mprtp-02

- MPRTCP Header extension uses 1-byte header extension
- MPRTCP uses one payload type for Interface Advertisement and Subflow reporting
 - Open issue: multiplex RTP and RTCP for each subflow?
 - Open issue: connectivity check, re-use STUN packets or define a new RTP/RTCP packet for this? (for in-band signaling)
- SDP: Two steps for advertising MPRTCP interfaces
 - 1) Gather, exchange and do connectivity checks using ICE
 - 2) When enough candidates are collected, the endpoints exchange their MPRTCP interfaces in SDP

a=mprtp interface:1 192.0.2.1:49170/49171

a=mprtp interface:2 192.1.2.1:51372/51373

More to come – stay tuned!