

Audio/Video Transport Core Maintenance Working Group

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Agenda bash - Thursday

- 15:10 AVTCore Status Update (Chairs, 15)
- 15:25 Random Algorithm for RTP CNAME generation (Eric Rescorla, 15)
- 15:40 RTP Multiplexing Architecture (Colin Perkins , 15)
- 15:55 RTP Considerations for Endpoints sending multiple media streams(Jonathan Lennox, 20)
- 16:15 Multiple Media type in an RTP session (Magnus Westerlund , 20)
- 16:35 Multiple RTP Session on a Single Lower-Layer Transport(Magnus Westerlund , 20)
- 16:55 Media Multiplexing with RTP subsessions (Richard Ejzak, 15)
- 17:10 End

Agenda bash - Friday

- | | | |
|-------|--|---------------------------|
| 11:20 | Encrypted Key Transport for Secure RTP | (Dan Wing, 20) |
| 11:40 | RTCP for inter-destination media synchronization | (Ray van Brandenburg, 20) |
| 12:00 | RTP Clock Source Signalling | (Kevin Gross, 10) |
| 12:10 | RTP and Leap Second | (Kevin Gross, 10) |
| 12:20 | End | |

Document Status

- RFC Published
 - RFC 6642 (draft-ietf-avtcore-feedback-supression-rtp).
- In Publication states
- Auth48
 - draft-ietf-avtcore-ecn-for-rtp-08 – will be RFC 6679
- IESG processing
 - draft-ietf-avt-srtp-not-mandatory-09 – See Separate Slide
 - draft-ietf-avtcore-monarch-17 – IETF LC

Document Status

- Other working group documents
 - draft-ietf-avtcore-aria-srtp-00 – need reviewer from SRTP crypto experts.
 - draft-ietf-avtcore-srtp-aes-gcm-01 – Ready for WGLC?
 - draft-ietf-avtcore-srtp-encrypted-header-ext-02 – update after WGLC.
Ready for publication?
 - draft-ietf-avtcore-rtp-security-options-00 – separate slide
- Other documents
 - draft-perkins-avtcore-rtp-circuit-breakers-01 – separate slide.
- Other documents have their own slots in the session.

RTP Security Options

- Split draft-ietf-avt-srtp-not-mandatory into two based on IESG feedback:
 - draft-ietf-avt-srtp-not-mandatory-09 on “Why RTP Does Not Mandate a Single Security Mechanism”
 - RTP is a framework protocol with very wide applicability, and not all applications that use RTP are expected to interoperate
 - The SRTP profile solves some security needs, but is inappropriate for others
 - We need strong security, but this should be mandated for each RTP usage scenario, since different scenarios have different needs
 - draft-ietf-avtcore-rtp-security-options-00
 - Reviews the different RTP security options that are available
 - Gives pointers to security guidelines for some application classes (e.g., RTCWeb, SIP-based telephony – volunteer needed to write this draft!)
- Does the WG think this approach and guidance is appropriate?

Current Milestone Review

- Apr 2012 - Submit Monitoring Architecture for RTP for Informational – Done.
- Apr 2012 - Submit Encryption of Header Extensions in the Secure Real-Time Transport Protocol (SRTP) for Proposed Standard – Almost ready

- Oct 2012 - Submit in band keying mechanism for SRTP draft for Proposed Standard -
- Oct 2012 - Submit an Overview of RTP Security Solutions as Informational

- Nov 2012 - Submit Specification for Inter-destination Media Playout Synchronization in RTP to IESG for publication as Proposed Standard
- Nov 2012 - Submit RTP Clock Source Signaling as Proposed Standard
- Nov 2012 - RTP and Leap Seconds as proposed standard

- Dec 2012 - Submit Real-Time Transport Control Protocol (RTCP) in Overlay Multicast for Proposed Standard
- Dec 2012 - Submit SRTP Cryptographic Transform(s) on the ARIA algorithm and corresponding key-management profiles for Security Descriptions, MIKEY and DTLS-SRTP for publication as proposed standard