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

• 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

- 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:
    • 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