Audio/Video Transport Core Maintenance Working Group

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Agenda bash - Wednesday

14:00  AVTCore Status Update (Chairs)

14:20  A General Mechanism for RTP Header Extensions (Roni Even)
       draft-even-avtcore-rfc5285-bis-01

14:35  End
Document Status

• RFC Published
  – RFC7667 – topologies update
  – RFC7714 – SRTP-AES-GCM

• RFC Editor
  – draft-ietf-avtcore-multi-media-rtp-session-13 - MISSREF
  – draft-ietf-avtcore-rtp-multi-stream-11 – AUTH48
    • Proposed to be held until -multi-stream-optimisation- is published
    • Going into MISSREF state
  – draft-ietf-avtcore-rtp-multi-stream-optimisation-12 - MISSREF

• IESG processing
  – draft-ietf-avtcore-rtp-circuit-breakers-14
  – draft-ietf-avtcore-aria-srtp-09
    • Split – this one is the informational draft registers for DTLS and MIKEY – can progress
    • draft-ietf-avtcore-aria-sdes-01 is standard track for the SDES registration.
Document Status

• Other documents – not presented

• Multiplexing Scheme Updates for SRTP Extension for DTLS in draft-ietf-avtcore-rfc5764-mux-fixes-06
  – TLS WG comments needs to be resolved
  – Update to how (D)TLS registry is impacted
    • Note instead of reserved
    • Also DTSL 1.3 might not have same packet structure
  – Awaiting text proposal

• Multipath RTP in draft-ietf-avtcore-mprtp-02
  – Needs Reviews
Document Status

• Other documents – not presented

• Guidelines for using the Multiplexing Features of RTP to Support Multiple Media Streams
  – draft-ietf-avtcore-multiplex-guidelines
  – Not updated
    • Authors (Magnus) failed to get the work started as planned in Yokohama
  – Plan
    • Significant revision for a slimmer and more concise document
Document Status

• Other documents – not presented

• Encrypted Key Transport for Secure RTP
  – draft-ietf-avtcore-srtp-ekt-03
  – PERC WG has need for EKT
    • Proposed that PERC take on the Work
    • The basic SRTP extension + DTLS-SRTP key management
    • MIKEY and Security Descriptions are split out
      – Does need for either of these exists?
        » In that case separate documents
    • AVTCORE will remove its milestone
Current Milestone Review

- Feb 2015 - Submit in band keying mechanism for SRTP draft for Proposed Standard
- Done - Submit Update to RTP Topologies ([RFC 5117](https://tools.ietf.org/html/rfc5117)) for Informational
- Done - Submit Multiple Media Types in an RTP Session for publication as proposed standard
- Done - Submit Update to the RTP Specification ([RFC3550](https://tools.ietf.org/html/rfc3550)) regarding Sending Multiple Media Streams in a Single RTP Session: Grouping RTCP Reception Statistics and Other Feedback as proposed standard
- Apr 2015 - Submit Multiplexing Scheme Updates for SRTP for DTLS as Proposed Standard
- Done - Submit Update to the RTP Specification ([RFC3550](https://tools.ietf.org/html/rfc3550)) regarding Sending Multiple Media Streams in a Single RTP Session as proposed standard
- Done - Submit RTP Congestion Control: Circuit Breakers for Unicast Sessions for publication as proposed standard
- Sep 2016 - Submit update for A General Mechanism for RTP Header Extensions ([RFC5285](https://tools.ietf.org/html/rfc5285)) for publication as proposed standard
- Nov 2016 - Submit Guidelines for using the Multiplexing Features of RTP for Informational
- Nov 2016 - Submit Multipath RTP as experimental RFC
RFC Errata

- RFC 4867: RTP Payload Format for AMR & AMR-WB
  - 4347: Clarification of CMR=15 meaning no preference
  - 4348: Clarification that sender MUST NOT use higher mode than CMR field state.
  - 4349: Clarification that CMR=15 is allowed with mode-set.
  - All of these have been endorsed by 3GPP SA4 major user of this format
  - Proposal is to verify these clarifications as they appear consistent with intentions of specification and have caused incompatibility issues
RFC Errata

• RFC 3611: RTP Control Protocol Extended Reports (RTCP XR)

• Errata 4597:
  – Section 4.7.2 says:
    burst density 84, which corresponds to 33%
  – It should say:
    burst density 85, which corresponds to 33%
  – The definition indicates that burst density=4/12*256=85.33 and taking the integer part.
    • Error appears be due to authors calculating it as 0.33*256 = 84.48
  – Proposal: Verify
RFC Errata

- RFC 3711: The Secure Real-time Transport Protocol (SRTP)
- Errata: 4425
- Section 3.4 says:

```
+-------------------------------------------------+
|V=2|P|    RC   |   PT=SR or RR   |   length   |
+-------------------------------------------------+
```

- PT field is too wide, should end after bit 15
- Proposal: Held for Document Update
  - Editorial
  - Unlikely to cause issue with interoperability
RFC Errata

• RFC 7273: RTP Clock Source Signalling
  – Errata 4450: ABNF and Example inconsistency:
    • Consensus on mailing list to change to Example format
    • ABNF proposal has been available on mailing list
    • Requested that Ben edit the errata and Verify it
  – Errata 4548: Clarification of Rate Modifier
    • Authors supports verification
    • Proposal is Verify