Audio/Video Transport Core Maintenance Working Group

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Agenda bash - Wednsday

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) for Informational
- Done - Submit Multiple Media Types in an RTP Session for publication as proposed standard
- Done - Submit Update to the RTP Specification (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) 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) 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:

```
 0                   1                   2                   3
 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+<+
|V=2|P|    RC   |   PT=SR or RR   |             length          | |
+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+ |
```

- PT field is to 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
    - Auhtors supports verification
    - Proposal is Verify