

# Audio/Video Transport Core Maintenance Working Group

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# Agenda bash - Thursday

- 15:20 AVTCore Status Update (Chairs, 15)
- 15:35 Sending Multiple Media Streams in a Single RTP Session (Magnus, 10)
- 15:45 Grouping RTCP Reception Statistics and Other Feedback (Magnus, 10)
- 15:55 Circuit Breakers for Unicast Sessions (Zaheduzzaman Sarker, 30)
- 16:25 Payload Status Update (Chairs, 10)
- 16:35 RTP Payload Format for Opus Speech and Audio Codec (JM Valin, 15)
- 16:50 End

# Document Status

- RFC Published
  - RFC 7022 (draft-ietf-avtcore-6222bis).
  - RFC 7007 (draft-ietf-avtcore-avp-codecs)
- In Publication states:
- RFC Ed queue
  - draft-ietf-avtcore-idms-13
- IESG processing
  - draft-ietf-avt-srtp-not-mandatory-14 – AD Evaluation
  - draft-ietf-avtcore-rtp-security-options-08 – AD Evaluation
  - draft-ietf-avtcore-srtp-aes-gcm-10 – AD Evaluation

# Document Status

- Other working group documents
  - draft-ietf-avtcore-aria-srtp-05
    - Write up in progress for publication request
    - Needs some updates to resolve minor issues
  - draft-ietf-avtcore-srtp-ekt-01
    - In WG Last Call – please review and send feedback
  - draft-ietf-avtcore-clksrc-07
    - Second WGLC to verify changes- looks ready for publication.
  - draft-ietf-avtcore-leap-second-05
    - Write up in progress for publication request
    - Needs some updates to resolve minor issues

# Document Status

- Other working group documents
  - draft-ietf-avtcore-rtp-topologies-update-01
    - Was updated before the meeting
    - Changes include renaming Source Projection Middlebox to Selective Forwarding Middlebox and De-composite Endpoint to Split Component Endpoint
    - Need reviewers

# Guideline for dynamic payload type number usage policy

## draft-wu-avtcore-dynamic-pt-usage-02

- Objective
  - provides guidelines for payload type number usage policy when dynamic payload type allocation is used
  - updates closed IANA registry "RTP Payload types (PT) for standard audio and video encodings".
- Motivation
  - Based on the MMUSIC session in Berlin and the open issue in section 3.2.1.2 of [draft-roach-mmusic-unified-plan-00](#), clarification on which payload types from the range 0-95 can be used for dynamic mapping and in what order is needed.
  - Dale R. Worley proposed to update the IANA registry to reflect RFC5761 on the Mmusic list
    - RFC3551 provides some guideline for the choice of payload type values
    - IANA registry for RTP payload type is created only based on RFC3551.
    - RFC5761 applies additional constriction to the payload type arrange besides
      - If multiplexing RTP and RTCP onto a single port is used, payload type values in the range 64-95 MUST NOT be used
    - Therefore IANA registry needs to be updated
      - Add reference to RFC5761
      - Update payload type range 64-95

# To do (1) -IANA registries Update

- Proposed Action A:
  - Add reference to RFC5761 for RTP payload type registry
  - Update RTP payload type registry as follows:

PT	Encoding Name	Audio/Video (A/V)	Clock Rate	Channels	Reference
1	Reserved	may be used for dynamic mapping			[RFCxxxx]
2	Reserved	may be used for dynamic mapping			[RFCxxxx]
19	Reserved	may be used for dynamic mapping			[RFCxxxx]
64-65	Reserved	may be used for dynamic mapping			[RFCxxxx]
66-71	Reserved	for RTCP conflict avoidance			[RFC5761]
72-82	Reserved	already used by RTCP			[RFC5761]
83-95	Reserved	for RTCP conflict avoidance			[RFC5761]
96-127	dynamic				[RFC3551]

- Open issue
  - Where to put such proposed action?
    - Email drafted by AD and AVTCore chairs
    - A Document or A RFC?



# To Do (2) – Additional guideline for Dynamic payload type usage policy

- There was debate on whether to have additional guideline for dynamic payload type usage policy
  - Order of Dynamic payload type number allocation
  - Using deprecated values 64,65 for dynamic payload type number allocation
  - How to differentiate between the cases when RTP and RTCP are multiplexed or not?
    - If application knows RTP and RTCP multiplexing is used, the range [66-95] can be used.
- Action B
  - Having a document to provide such additional guidelines?

# Current Milestone Review

- Oct 2013 - Submit an Overview of RTP Security Solutions as Informational
- Oct 2013 - Submit RTP Clock Source Signaling as Proposed Standard
- Oct 2013 - RTP and Leap Seconds as proposed standard
- Nov 2013 - Submit Multiple Media Types in an RTP Session for publication as proposed standard
- Nov 2013 - Submit RTP Congestion Control: Circuit Breakers for Unicast Sessions for publication as proposed standard
- Dec 2013 - Submit in band keying mechanism for SRTP draft for Proposed Standard
- Dec 2013 - 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
- Dec 2013 - Submit Guidelines for using the Multiplexing Features of RTP for Informational
- Mar 2014 - Submit Update to RTP Topologies ([RFC 5117](#)) for Informational
- Two new ones in AD review
  - Apr 2014 - Submit Update to the RTP Specification (RFC3550) regarding Sending Multiple Media Streams in a Single RTP Session as proposed standard
  - Apr 2014 - 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