

# Audio/Video Transport Working Group

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<http://www.ietf.org/html.charters/avt-charter.html>

Jabber room: xmpp:avt@jabber.ietf.org

Audio:

Valley Ballroom B: <http://videolab.uoregon.edu/events/ietf/ietf797.m3u>

Garden Ballroom 3: <http://videolab.uoregon.edu/events/ietf/ietf793.m3u>



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# Agenda - Monday

- 13:00 Introduction and Status Update (Chairs, 15)
- 13:15 Port Mapping Between Unicast and Multicast RTP Sessions(Begen, 20)
- 13:35 Explicit Congestion Notification for RTP over UDP (Perkins, 20)
- 13:55 RTCP Report Extension for Feedback Suppression (Qin Wu, 15)
- 14:10 RTCP XR for inter-destination media synchronization(Ray van Brandenburg , 10)
- 14:20 Additional Parameters in for H.264 Video (Tom Kristensen, 10)
- 14:30 Using approximate authentication SRTP (Gabor Feher, 10)
- 14:40 End

# Agenda - Thursday

- 13:00 Introduction and Status Update (Chairs, 5)
- 13:05 Audio Levels status (Chairs, 10)
- 13:15 Content Splicing for RTP Sessions (Jinwei Xia, 15)
- 13:30 Monitoring Architectures for RTP (Even, 20)
- 13:50 XR Report Blocks for Realtime Video Quality Monitoring (Qin Wu, 10)
- 14:00 Switching from unicast to multicast for multicast short time-shift (Peilin Yang, 15)
- 14:15 Multipath RTP (Ott, 10)
- 14:25 End

# Document Status

- RFC Published
  - RFC 5968      draft-ietf-avt-rtcp-guidelines
  - RFC 5993      draft-ietf-avt-rtp-gsm-hr

# Document Status

- In Publication states
- RFC editor queue
  - draft-ietf-avt-rapid-rtp-sync – will be RFC 6051
- IESG processing
  - draft-ietf-avt-rtp-ipmr – need to clear Discuss
  - draft-ietf-avt-app-rtp-keepalive – 09 hopefully resolved most comments
  - draft-ietf-avt-rtp-rfc3984bis-12 – ready to go ahead.
  - draft-ietf-avt-forward-shifted-red -06 – need revised ID addressing comments
  - draft-ietf-avt-srtp-not-mandatory-07 – need clarification after IESG review
  - draft-ietf-avt-rapid-acquisition-for-rtp-16 – revised ID needed
  - draft-ietf-avt-rtcp-port-for-ssm-03 – publication request
  - draft-ietf-avt-rtp-svc-23 – waiting for AD go-ahead
  - draft-ietf-avt-rtp-h264-rcdo-07 – IESG evaluation

# Document Status

- Waiting for proto write-up
  - draft-ietf-avt-rtp-cnames-01 – need a revised id before publication request.
  - draft-ietf-avt-multicast-acq-rtcp-xr-01 – **We need evidence of more reviews**
  - draft-ietf-avt-srtp-big-aes-04 – Waiting for a revised ID before submitting for publication.
- Others
  - Two IPR statements on draft-ietf-avt-rtp-rfc3984bis from Nokia <https://datatracker.ietf.org/ipr/1431/> and Qualcomm <https://datatracker.ietf.org/ipr/1399/> (note that Qualcomm IPR statement is on RFC3984)

# Other drafts

- RTP Payloads
  - draft-ietf-avt-rfc3016bis-01 (MPEG4) – Ready for WGLC
  - draft-ietf-avt-rtp-evrc-nw-01 - **need reviewers**
  - draft-ietf-avt-rtp-isac-00 – **need reviewers**
  - draft-ietf-avt-rtp-klv-00 - expired but will be resubmitted. **Need reviewers**
  - draft-ietf-avt-rtp-mvc-01 – need revision according to the editors.
  - draft-ietf-avt-rtp-sbc-00 - **need reviewers**
  - draft-ietf-avt-rfc4695-bis-08 (midi) – Ready for WGLC
  - draft-ietf-avt-rtp-g718-03 – **need an editor**
  - draft-ietf-avt-rfc3189bis-04 (DV video) – waiting for revised draft
- The chairs are looking for volunteers to review payload specifications in order to last call them and send to publication. Please help us.



# Milestones with candidate drafts

- draft-begen-avt-rams-scenarios – expired, resubmission required.
  - draft-lennox-avt-srtp-encrypted-extension-headers – can we adopt?
  - draft-ott-avt-rtcp-overlay-multicast – no resources to work, will update the chairs in a couple of weeks.
  - draft-ott-avt-rtcp-xt-discard-metrics-01 – Expired, resubmission required.
  - draft-xu-avt-dra-00 – Trying to sort out problem with individual submission
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- draft-valin-celt-rtp-profile was accepted as WG item but was not submitted yet.

# Other drafts for consideration

- draft-yang-avt-rtp-synced-playback-05
  - This draft enables the synchronization between users watching the same channel after they join the multicast channel when they started with a unicast burst (e.g. RAMS) or used a unicast channel later (e.g. timeshift services).
  - draft-yang-avt-switch-multicast-short-timeshift is using this method and will be discussed later.
  - Was updated based on comments, please review and send any comment to the list.

# New draft

- New draft-huang-avt-rtcp-xr-decodability-00
  - Defines an RTCP XR Report Block that allows the reporting of Decodability Statistics Metric used for MPEG2 Transport Stream.
  - Split from draft-wu-avt-rtcp-xr-quality-monitoring to keep it codec agnostics.

# Next steps in AVT after IETF 79

- Progress RTP payloads – Try to finish as many as can.
- Topics to be handled – Chairs will try to prioritize the topics with list of relevant drafts
  - MPEG2-TS preamble
  - Other RAMS enhancements
  - Audio levels header extensions
  - RTCP XR quality monitoring extensions.
  - Security – EKT (draft-ietf-avt-srtp-ekt)
  - ECN (draft-ietf-avt-ecn-for-rtp)
  - RTP/RTCP enhancements

# HTTP Streaming Bar BoF

- There will be a HTTP Streaming Bar BoF on Wednesday 19:30-21:00
  - Location – Emerald room