Audio/Video Transport Working Group

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

I E T F
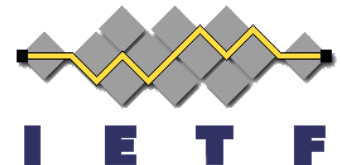
Agenda - Monday

13:00   Introduction and Status Update   (Chairs, 15)

13:15   RTP Payload Format for IP-MR Speech Codec   (Even, 5)

13:20   Rapid Synchronisation of RTP Flows   (Even, 10)

13:30   Rapid Synchronization with RTP Multicast Sessions(Ver Steeg, 15)

13:45   Extensions to RTCP for Rapid Synchronization   (YK, 15)

14:00   RTCP XR   (Hunt, 15)

14:15   RTP Payload Format for the CELT Codec   (Greg Maxwell, 15)

14:30   RTP Payload Format for DV (IEC 61834) Video   (Kazuhiro, 5)

14:35   End

Agenda - Thursday

15:10   Introduction and Status Update   (Chairs, 10)

15:20   DTLS-SRTP Key Transport   (Wing, 10)

15:30 Encrypted Key Transport for Secure RTP   (McGrew, 10)

15:40 The use of AES-192 and AES-256 in SRTP   (McGrew, 5)

15:45 AES-GCM & AES-CCM Authenticated Encryption in SRTP   (McGrew, 5)

15:50   SRTP Store-and-Forward Use Cases and Requirements   (Blom, 10)

16:00   The Use of the SRTP in Store-and-Forward Applications (Blom, 5)

16:05   End

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  - Note the issue with pre-RFC5378 text in your drafts

Document Status

- RFC Published
  - RFC 5484   draft-ietf-avt-smpte-rtp
  - RFC 5404   draft-ietf-avt-rtp-g719
  - RFC 5459   draft-ietf-avt-rfc4749-dtx-update
  - RFC 5450   draft-ietf-avt-rtp-toffset
  - RFC 5391   draft-ietf-avt-rtp-g711wb

Document Status

- In Publication states
    - draft-ietf-avt-rtp-and-rtcp-mux – RFC editor queue – waiting to SSM
    - draft-ietf-avt-dtls-srtp – RFC editor queue – waiting for rtp-rtcp-mux
    - draft-ietf-avt-rtcp-non-compound - RFC editor queue

    - draft-ietf-avt-post-repair-rtcp-xr – AD follow-up (Charter)
    - draft-ietf-avt-rtp-3047-bis – Need revision
    - draft-ietf-avt-rtcpssm – waiting for revised ID (blocking other drafts)
    - draft-ietf-avt-rtp-uemclip – AD Follow-up
    - draft-ietf-avt-rtp-speex – IESG evaluation
    - draft-ietf-avt-rtp-atrac-family – IESG evaluation
    - draft-ietf-avt-app-rtp-keepalive – publication request
    - draft-ietf-avt-rtp-mps – publication request
    - draft-ietf-avt-seed-srtp-00 – In IESG last call

Liaison from ITU-T Q18 of WP1/16

- ITU-T Q18 of WP1/16 would like to request your assistance to identify if there are existing protocols (e.g. RTP packet definitions) that can be utilized to realize the dynamic coordination mechanism defined in the draft new Recommendation ITU-T G.MDCSPNE over IP networks.

- G.MDCSPNE defines a generic framework and protocol requirements for a coordination mechanism intended to minimize undesirable interaction of voice processing functions present on bearer paths of a communication link, for the purpose of improving overall end-to-end voice quality. Voice quality improvement is achieved through the usage of "capability lists", exchanged among nodes on the bearer path, to identify the state of signal processing functions (available/unavailable) over a call connection. This information is then used to refer to a common "rule book" to cause the de-activation of redundant functions, and the retention of the signal processing functions that are in most favourable locations for improving voice quality. One important aspect of G.MDCSPNE is that it allows dynamic coordination of signal processing functions/devices during a call. Dynamic coordination is needed in response to changes in signal processing function availability due to, for example, call topology changes such as call transfer or call handover, all within the same call session. The generic capability list content and the rules for de-activation and retention, based on this state information, have been finalized in G.MDCSPNE. The scope of G.MDCSPNE, however, does not cover the definition and format of the protocol for the exchange of capability list information on the bearer path to realize the coordination mechanism over IP networks.

- ITU-T Q18 of WP1/16 would like to request your assistance in identifying if there is (are) existing standard specifications that could serve as a vehicle for exchange of state of availability of voice processing functions among nodes on a call-path, to satisfy the requirements for a dynamic coordination mechanism over IP networks as contained in ITU-T Q18/16 draft G.MDCSPNE.

- ITU-T Q18/16 understands that modification of the generic capability list format structure in G.MDCSPNE may be needed in order to take advantage of existing specifications to implement the dynamic coordination mechanism. If such should be the case, ITU-T Q18/16 would appreciate very much if you would provide the modifications needed.

- For information purpose, attached please find the latest version of G.MDCSPNE for your reference. G.MDCSPNE is expected to go for consent at the ITU-T October 2009 SG16 meeting and become an ITU-T standard afterwards.

- **The document** Draft 8 of G.MDCSPNE "Mechanism for Dynamic Coordination of Voice Enhancement SPNE" is available at

- http://wftp3.itu.int/av-arch/MM-framework/ls006-16-att1-Draft8GMDCSPNE.pdf

ITU-T Liaison − Summary

- ITU-T document provides:
    - problem statement
    - architectural context
    - information to be exchanged

- ITU-T document does **<u>not</u>** provide:
    - protocol
    - specific format for data exchange

- ITU-T does not have plans to define the protocol for this – yet
    - SG11 has been copied on this liaison

- Comments invited on the list
    - can AVT help with protocol? (assume the answer is "yes")
    - can existing AVT protocols address requirements?
    - proposed approach?

Others

- Need charter update for RTCP extensions
  - Blocking post-repair-rtcp-xr
- Issue with codec references for media sub-type registration in standard tree
  - Will be discussed on Thursday

draft-schmidt-avt-rfc3016bis-01

RFC 3016 is mainly used by the 3GPP.

However, there are some misalignments between RFC 3016 and the 3GPP PSS service:

- The audio payload format (LATM) referenced in RFC 3016 is binary incompatible to the format used in 3GPP.
- The audio signalling format (StreamMuxConfig) referenced in RFC 3016 is binary incompatible to the format used in 3GPP.
- The audio parameter "SBR-enabled" is not defined within RFC 3016 but used by 3GPP
- The rate parameter specification is ambiguous in the presence of SBR (Spectral Band Replication)

These issues are addressed by this update

Furthermore some comments have been addressed and signalling support for MPEG surround is added

Can this draft be considered as a WG item?