RTP Media Congestion Avoidance Techniques (rmcat)

Chairs:
Anna Brunstrom <anna.brunstrom@kau.se>
Colin Perkins <csp@csperkins.org>
Martin Stiemerling <mls.ietf@gmail.com>
Note Well

Any submission to the IETF intended by the Contributor for publication as all or part of an IETF Internet-Draft or RFC and any statement made within the context of an IETF activity is considered an "IETF Contribution". Such statements include oral statements in IETF sessions, as well as written and electronic communications made at any time or place, which are addressed to:

- The IETF plenary session
- The IESG, or any member thereof on behalf of the IESG
- Any IETF mailing list, including the IETF list itself, any working group or design team list, or any other list functioning under IETF auspices
- Any IETF working group or portion thereof
- Any Birds of a Feather (BOF) session
- The IAB or any member thereof on behalf of the IAB
- The RFC Editor or the Internet-Drafts function

All IETF Contributions are subject to the rules of RFC 5378 and RFC 8179.

Statements made outside of an IETF session, mailing list or other function, that are clearly not intended to be input to an IETF activity, group or function, are not IETF Contributions in the context of this notice. Please consult RFC 5378 and RFC 8179 for details.

A participant in any IETF activity is deemed to accept all IETF rules of process, as documented in Best Current Practices RFCs and IESG Statements.

A participant in any IETF activity acknowledges that written, audio and video records of meetings may be made and may be available to the public.
Administrativa

Today’s slides

https://datatracker.ietf.org/meeting/100/materials.html#rmcat

Remote participation

Meetecho: http://www.meetecho.com/ietf100/rmcat

Jabber chat

xmpp:rmcat@jabber.ietf.org?join

Minute taker and jabber scribe?

Mailing list

http://www.ietf.org/mailman/listinfo/rmcat
Agenda

1. Administrativa -- chairs
2. WG status -- chairs
3. draft-ietf-rmcat-nada -- Xiaoqing Zhu
4. draft-ietf-rmcat-scream-cc and related experiments -- Ingemar Johansson
5. draft-dt-rmcat-feedback-message -- Zahed Sarker
Algorithm candidates & Co

- draft-ietf-rmcat-coupled-cc-07 [updated]
  - RFC Ed Queue: MISSREF
- draft-ietf-rmcat-scream-cc-13 [updated]
  - RFC Ed Queue
- draft-ietf-rmcat-sbd-08
  - write-up ready, update to resolve minor issues pending
- draft-ietf-rmcat-nada-05 [updated]
  - updated based on WGLC comments, on agenda
- draft-ietf-rmcat-gcc-02
  - waiting for author update
WG Document Status

Requirements
• draft-ietf-rmcat-cc-requirements-09  [RFC Ed Queue: MISSREF]

Evaluation
• draft-ietf-rmcat-eval-test-05  [expired]
  • ready for WGLC
• draft-ietf-rmcat-eval-criteria-06  [expired]
  • choice of TCP model
• draft-ietf-rmcat-wireless-tests-04
  • no open issues, reviews and implementation experience needed
• draft-ietf-rmcat-video-traffic-model-03
  • ready for review, close to WGLC
WG Document Status

Feedback

• draft-dt-rmcat-feedback-message-04 [updated] (individual draft)
  • Replaced by draft-ietf-avtcore-cc-feedback-message
• draft-ietf-rmcat-rtp-cc-feedback-03 [expired]
  • Remains with rmcat

Interfaces

• draft-ietf-rmcat-cc-codec-interactions-02 [expired]
• draft-zhu-rmcat-framework-00 [expired] (individual draft)
• Waiting for proposal from Varun and Zahed on how to proceed with these two documents
Milestones

Done  Adopt first WG draft on requirements
Done  Adopt first WG draft on evaluation criteria
Done  Adopt first WG draft of RTCP extensions for use with congestion control algorithms and interactions between applications and RTP flows (if needed)
Done  Adopt first congestion control candidate as WG draft
Done  Adopt first WG draft on identifying and controlling groups of flows
Done  Submit identifying and controlling groups of flows to IESG for Experimental publication
Done  Submit first congestion control candidate to IESG for Experimental publication

Aug 2017  Submit requirements and evaluation criteria to IESG as Informational
Done  Submit RTCP extension requirements for use with congestion control algorithms to AVTCORE (if needed)
Mar 2018  Submit interactions between applications and RTP flows to IESG as Informational
Mar 2018  Publish first draft of evaluation results
Mar 2018  Publish first draft of Standards Track congestion control algorithm
Mar 2018  Publish first draft of techniques to detect, instrument or diagnose failing to meet RT schedules
Jul 2018  Submit techniques to detect, instrument or diagnose failing to meet RT schedules to IESG as Informational
Nov 2018  Submit congestion control to IESG for Proposed Standard