

RTP Media Congestion Avoidance Techniques (rmcat)

Chairs:

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Administrativa

Today's slides

<http://datatracker.ietf.org/meeting/92/materials.html#session.group-rmcat>

Remote participation

<http://www.ietf.org/meeting/92/remote-participation.html>

Jabber chat

xmpp:rmcat@jabber.ietf.org?join

Mailing list

<http://www.ietf.org/mailman/listinfo/rmcat>

WG Status

WG Documents

draft-ietf-rmcat-cc-requirements-09 **[RFC ED queue, awaiting draft-ietf-rtcweb-overview et al.]**
draft-ietf-rmcat-app-interaction-01
draft-ietf-rmcat-eval-criteria-03
draft-ietf-rmcat-eval-test-01
draft-ietf-rmcat-rtp-cc-feedback-00

Drafts

draft-johansson-rmcat-scream-cc-05 **[updated, to be evaluated for adopt]**
draft-zhu-rmcat-nada-05 **[updated, to be evaluated for adopt]**

draft-hayes-rmcat-sbd-02 **[updated, to be evaluated for adopt]**
draft-welzl-rmcat-coupled-cc-04

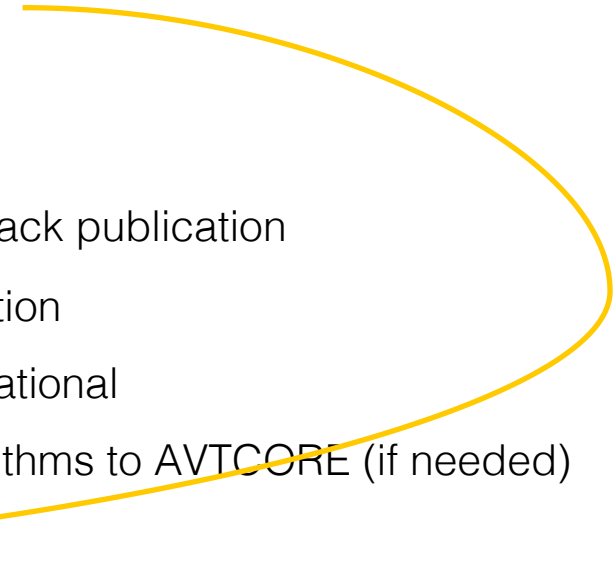
draft-sarker-rmcat-cellular-eval-test-cases-02
draft-zhu-rmcat-video-traffic-source-00

draft-singh-rmcat-adaptive-fec-01
draft-holmer-rmcat-transport-wide-cc-extensions-00
draft-alvestrand-rmcat-congestion-02 [expired]
draft-ohanlon-rmcat-dflow-02 [expired]

Milestone Update

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)
Dec 2014/ done Mar 2015?	Adopt first congestion control candidate as WG draft
Mar 2015	Submit requirements and evaluation criteria to IESG as Informational
Mar 2015 ?	Adopt first WG draft on identifying and controlling groups of flows
Jun 2015	Submit identifying and controlling groups of flows to IESG for Standards Track publication
Jun 2015	Submit first congestion control candidate to IESG for Experimental publication
Jun 2015	Submit interactions between applications and RTP flows to IESG as Informational
Jun 2015	Submit RTCP extension requirements for use with congestion control algorithms to AVTCORE (if needed)
Sep 2015	Publish first draft of evaluation results
Sep 2015	Publish first draft of Standards Track congestion control algorithm
Sep 2015	Publish first draft of techniques to detect, instrument or diagnose failing to meet RT schedules
Mar 2016	Submit techniques to detect, instrument or diagnose failing to meet RT schedules to IESG as Informational
May 2016	Submit congestion control to IESG for Proposed Standard

To be revised



draft-ietf-rmcat-eval-test-01

- New version available. Changes since 00-version
 - Round trip time fairness test has longer test duration (300s)
 - Improved readability
 - Appendix with additional test settings is again moved back to I-D.ietf-rmcat-eval-criteria
- Issue List:
 - Missing Wi-Fi network specific test cases
 - Please let us know if anybody is working with it or wants to work with it.
 - Waiting for a better Web traffic / short lived TCP traffic model
 - Do we really need it?

RMCAT – eval test

- draft-ietf-rmcat-eval-test-01
- draft-sarker-rmcat-cellular-eval-test-cases-02
- draft-zhu-rmcat-video-traffic-source-00

Proposal:

- Follow-on on all 3 → Produce one RFC ?
- Adopt individually ? Or merge now ?

eval-criteria

- As per IETF91 feedback, moved from eval-test:
 - “List of Network Parameters” to Section 5.
 - “Traffic Models” to Section 6
- Guidelines (section 4) will be fixed in next version
- Keep it baking as the eval-tests mature.

CC-APP Interactions

- Split draft-ietf-rmcat-app-interaction-01 in three new focused docs.
 - CC-Application interactions (W3C) [Varun]
 - E.g., Flow prioritizations
 - CC-Codec interactions [Mo]
 - E.g., allowed bytes
 - RMCAT Framework Document [Zahed, Xiaoqing]
 - Internal building blocks and interactions
 - For internal discussions. Publication to depend on relevance/how things evolves
- CC experimental RFCs should still be stand-alone for implementors (include own “framework” model)

RMCAT CC architecture and feedback extensions

- draft-ietf-rmcat-rtp-cc-feedback-00 shall evolve as CC work evolves taking into account new insight
 - Incl., e.g., draft-holmer-rmcat-transport-wide-cc-extensions-00
- Will see what crystalizes during the CC algorithm development in terms of:
 - feedback demands, architecture and interoperability
- Will revisit the architecture discussion on sender-side only, receiver-side only, or hybrid, once we have experimental RFCs for the first CC candidates

Agenda

- 9:00** WG Status (*Chairs*)
- 9:20** Shared Bottleneck Detection for Coupled Congestion Control for RTP Media (*David Hayes*)
[draft-hayes-rmcat-sbd-02](#)
- 9:45** Update on Scream and implementation (*Zahed Zarker*)
[draft-johansson-rmcat-scream-cc-05](#)
- 10:30** Update on NADA and simulation/testbed-based Evaluation (*Xiaoqing Zhu*)
[draft-zhu-rmcat-nada-cc-05](#)
- 11:15** Coupled congestion control with NADA (*Michael Welzl*)
[draft-welzl-rmcat-coupled-cc-04](#)