

# RTP Media Congestion Avoidance Techniques (rmcat)

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# Administrativa

## Today's slides

<https://datatracker.ietf.org/meeting/99/materials.html#rmcat>

## Remote participation

**Meetecho:** <http://www.meetecho.com/ietf99/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. RMCAT feedback design team status update -- Sarker/Perkins**
- 4. Next steps for the RMCAT WG -- chairs**

# WG Document Status

## Algorithm candidates & Co

- draft-ietf-rmcat-coupled-cc-06
  - submitted to IESG
- draft-ietf-rmcat-sbd-08 **[updated]**
  - in write up
- draft-ietf-rmcat-scream-cc-09 **[updated]**
  - ready for IESG submission
- draft-ietf-rmcat-nada-04
  - past WGLC, author update needed
- 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
  - ready for WGLC
- draft-ietf-rmcat-eval-criteria-06 [**expired**]
  - choice of TCP model
- draft-ietf-rmcat-wireless-tests-03
  - no open issues, reviews and implementation experience needed
- draft-ietf-rmcat-video-traffic-model-02 [**updated**]
  - ready for review, close to WGLC

# WG Document Status

## Interfaces

- draft-ietf-rmcat-cc-codec-interactions-02 **[expired]**
- draft-zhu-rmcat-framework-00 **[expired]** (individual draft)
  - To be covered later during meeting

## Feedback

- draft-ietf-rmcat-rtp-cc-feedback-03 **[expired]**
- draft-dt-rmcat-feedback-message-03 **[updated]** (individual draft)
  - On the agenda for meeting

# 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
- Jul 2017** Submit identifying and controlling groups of flows to IESG for Experimental publication
- Jul 2017** Submit first congestion control candidate to IESG for Experimental publication
- Aug 2017** Submit requirements and evaluation criteria to IESG as Informational
- Aug 2017** 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



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# Interactions between applications and RTP flows

Mar 2018 Submit interactions between applications and RTP flows to IESG as Informational

## Related drafts

- draft-ietf-rmcat-cc-codec-interactions-02 **[expired]**
- draft-zhu-rmcat-framework-00 **[expired]** (individual draft)
- draft-ietf-rmcat-app-interaction-01

# How do we evaluate the candidate algorithms to progress them towards standards track?

**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

## Starting points

- Evaluation drafts
- Issues identified in candidate algorithm drafts
- Deployment experience
- ns3-rmcat open source module from Cisco