

# RTP Media Congestion Avoidance Techniques (rmcat)

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# Administrativa

## Today's slides

<https://datatracker.ietf.org/meeting/97/materials.html#rmcat>

## Remote participation

**Meetecho:** <http://www.meetecho.com/ietf97/rmcat>

## Jabber chat

xmpp:rmcat@jabber.ietf.org?join

## Minute taker and jabber scribe?

## Mailing list

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

# Agenda Thu, Nov 17

1. **Administrativa (5 minutes) -- *Chairs***
2. **WG status (20 minutes) -- *Chairs***
3. **Updates to video traffic modelling: our experience with the Mozilla web browser (20 minutes) -- *Xiaoqing Zhu / Sergio Mena* ([draft-ietf-rmcat-video-traffic-model-01](#))**
4. **Update on NADA (10 minutes) -- *Xiaoqing Zhu* ([draft-ietf-rmcat-nada-03](#))**
5. **RMCAT DT status update (5 minutes) -- Zaheduzzaman Sarker**
6. **RTCP Feedback for Congestion Control (15 minutes) -- *Colin Perkins* ([draft-dt-rmcat-feedback-message-01](#))**
7. **New packet format for feedback (15 minutes) -- *Michael Ramalho***
8. **RTCP feedback for congestion control in interactive multimedia conferences (20 minutes) -- *Colin Perkins* ([draft-ietf-rmcat-rtp-cc-feedback-02](#))**
9. **Status update on ns3 module reflecting the rmcat framework document (10 minutes) -- *Xiaoqing Zhu* ([draft-zhu-rmcat-framework-00](#))**

# WG Document Status

## Algorithm candidates & Co

- draft-ietf-rmcat-coupled-cc-04 **[updated]**
  - past WGLC
  - updated in response
  - dependence on nada and gcc
- draft-ietf-rmcat-sbd-05 **[updated]**
  - in WGLC
  - please review!

# WG Document Status

## Algorithm candidates & Co (cont.)

- draft-ietf-rmcat-scream-cc-07 **[updated]**
  - past WGLC
  - updated in response
  - IPR raised
- draft-ietf-rmcat-nada-03 **[updated]**
  - presentation on agenda
  - WGLC to follow soon
  - IPR raised
- draft-ietf-rmcat-gcc-02
  - waiting for author update

# WG Document Status

## Requirements, interfaces & evaluation

- draft-ietf-rmcat-cc-requirements-09 [**RFC Ed Queue: MISSREF**]
- draft-ietf-rmcat-eval-criteria-06 [**updated**]
  - align with eval-test for TCP model
- draft-ietf-rmcat-eval-test-04 [**updated**]
  - align with eval-criteria for TCP model
- draft-ietf-rmcat-wireless-tests-03 [**updated**]
  - minor editorial update
- draft-ietf-rmcat-video-traffic-model-01
  - related presentation on agenda
- draft-ietf-rmcat-cc-codec-interactions-02 [**expired**]

# WG Document Status

## Feedback

- draft-ietf-rmcat-rtp-cc-feedback-03 **[updated]**
  - Presentation on the agenda



# Drafts Status

## Feedback

- draft-dt-rmcat-feedback-message-01 **[updated]**
  - presentation on agenda

## Requirements, interfaces & evaluation

- draft-zhu-rmcat-framework-00
  - related presentation on agenda

## Algorithm candidates & Co

- draft-singh-rmcat-adaptive-fec-03 **[expired]**

# 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
- Dec 2015** Submit identifying and controlling groups of flows to IESG for Experimental publication
- Dec 2015** Submit first congestion control candidate to IESG for Experimental publication
- Dec 2015** Submit requirements and evaluation criteria to IESG as Informational
- Dec 2015** Submit interactions between applications and RTP flows to IESG as Informational
- Dec 2015** Submit RTCP extension requirements for use with congestion control algorithms to AVTCORE (if needed)
- Feb 2016** Publish first draft of evaluation results
- Feb 2016** Publish first draft of Standards Track congestion control algorithm
- Feb 2016** Publish first draft of techniques to detect, instrument or diagnose failing to meet RT schedules
- Jun 2016** Submit techniques to detect, instrument or diagnose failing to meet RT schedules to IESG as Informational
- Oct 2016** Submit congestion control to IESG for Proposed Standard

# Proposed Time Plan

- Submit candidate algorithms (- gcc) this year
  - Coupled-CC, SBD, NADA, SCReAM
- Try and submit (part of) evaluation and interface drafts and finish up feedback DT work by Chicago IETF
- Discuss how to proceed towards standard in Chicago
  - evaluation results, how to track progress
  - steps needed for moving towards standard

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