

# Discussion on Congestion Control work in the IETF: the role of ICCRG

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# A bit of history

- ICCRG was created because highly experimental CCs were proposed for TCP...

(Cubic, HTCP, Compound TCP)

... and brought to TCPM.

– But TCPM was (and still is) quite busy

- Phrase at the time was: “we need to push proposals over the fence (to ICCRG) for a while, until they’re ready”

- This is still how we operate
  - And we’re happy with it!



# ICCRG in action

IW=10

IETF#75,  
2009



TCPM



IETF#77

IETF#78

IETF#80

# ICCRG can publish RFCs too

- IRTF track, informational or experimental
- But we have only two
  - "Congestion Control in the RFC Series", RFC 5783 (Informational), February 2010.
  - "Open Research Issues in Internet Congestion Control", RFC 6077 (Informational), February 2011.
- Why?
  - Only because authors never pursued this path
  - Didn't want to? Didn't care?

# Do we need something else?

- IETF: CC. work spread around TSV area
- Personal opinion: inevitable.
  - Congestion control mechanism is intrinsically tied to the framework it operates in
  - Examples
    - RMCAT: RTP-based, common feedback, ..
    - TCP: controls follow TCP “rules” (“timeout if all is lost”, ..)
    - MPTCP: controls made along the goals outlined for MPTCP (exploit multiple paths, yet fair on common bottleneck)
    - LEDBAT: lacks framing – should perhaps have been IRTF Exp!
- Your happy trashcan is always there to serve you!

Questions?