

# RFC 5681bis

## TCP Congestion Control

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- Currently      RFC 5681      Draft Standard
- Obsoleted      RFC 2581      Proposed Standard
- Obsoleted      RFC 2001      Proposed Standard

# TCP Congestion Control

- Goal: Move to **Internet Standard**
- Roll in one existing (verified) errata:  
[https://www.rfc-editor.org/errata\\_search.php?rfc=5681](https://www.rfc-editor.org/errata_search.php?rfc=5681)
  - And see next slide...
- From the original authors, Mark and Ethan will contribute. Also asked Vidhi, Neal, Jana for help. (I will act as editor.)
- We have a repo at <https://github.com/NTAP/rfc5681bis>
- Should TCPM do this?

# Open Question: setting ssthresh

- RFC 5681 says
$$\text{ssthresh} = \max(\text{FlightSize} / 2, 2 * \text{SMSS})$$
- AFAIK all major stacks that implement CUBIC do
$$\text{ssthresh} = \text{cwnd} * \beta_{\text{cubic}}$$
- RFC 7661 (Experimental) already allows  $\text{FlightSize} \leq \text{ssthresh} \leq \text{cwnd}$
- RFC 9002 (QUIC; Proposed Standard) uses cwnd
- Does this motivate any changes for RFC 5681bis?