# Proportional Rate Reduction for TCP
## draft-ietf-tcpm-prr-rfc6937bis-03

ietf 114 tcpm

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# What's RFC6937-bis about?

RFC6937 published 2013

- The "mini" congestion control during fast recovery
- Published in 2013 as an experimental RFC
- Only implemented by Linux without RFC8985 (RACK-TLP)

10 years later

- Default in Linux, FreeBSD, NetFlix-BSD/RACK, MS Windows
- tcpm voted to revise and publish as a standard RFC
- Last bis-03 update https://author-tools.ietf.org/iddiff?url2=draft-ietf-tcpm-prr-rfc6937bis-03
  - Clarification: The new SafeACK heuristic was experimented and in Linux since 2015
  - Clarification: Do not slow start on ACKs triggers RFC 6675 "last resort" retransmission as it may indicate further losses
  - Clarification: PRR vs RFC6675. While RFC6675 "half window of silence" may avoid further losses better in some scenarios, PRR's goal is to maximize self-clocking based the congestion window set by the congestion control.
  - Other editorial updates (e.g. s/RFC 793/RFC 9293/)