

# TCP Maintenance and Minor Extensions (TCPM) Working Group

IETF 118

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# Note Well

(<https://www.ietf.org/about/note-well/>)

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- <https://www.rfc-editor.org/info/bcp9> (Internet Standards Process)
- <https://www.rfc-editor.org/info/bcp25> (Working Group processes)
- <https://www.rfc-editor.org/info/bcp25> (Anti-Harassment Procedures)
- <https://www.rfc-editor.org/info/bcp54> (Code of Conduct)
- <https://www.rfc-editor.org/info/bcp78> (Copyright)
- <https://www.rfc-editor.org/info/bcp79> (Patents, Participation)
- <https://www.ietf.org/privacy-policy/> (Privacy Policy)

# Logistics

- This session is being recorded!
- Note taker: Andrew McGregor
- Jabber scribe: Yoshifumi Nishida
- Use draft-\* -tcpm- as a name of IDs

# Agenda

- WG Status / Re-chartering (15 mins)
- WG Documents (40 mins)
  - ECN++: Bob (15 mins)
  - TCP ACK Rate Request: Carles (10 mins)
  - EDO on Linux: Kuniyuki (15 mins)
- Other Items (35 mins)
  - RFC 5681bis (TCP CC) / RFC 3465bis (ABC): Martin (10 mins)
  - Opportunistic TCP-AO with TLS: Maxime (10 mins)
  - Fast Window Advance for TCP: Thejeswara (15 mins)

# WG Documents

- [draft-ietf-tcpm-rfc8312bis \(RFC 9438\)](#)
- [draft-ietf-tcpm-yang-tcp \(RFC Ed Queue::MISREF\)](#)
- [draft-ietf-tcpm-prr-rfc6937bis \(Nov 2022\)](#)
- [draft-ietf-tcpm-accurate-ecn \(Dez 2022\)](#)
- [draft-ietf-tcpm-generalized-ecn \(Jan 2023\)](#)
- [draft-ietf-tcpm-tcp-edo \(Dec 2023\)](#)
- [draft-ietf-tcpm-ack-rate-request \(Oct 2024\)](#)

# Re-chartering

- ~~• TCPM also provides a venue for standardization of incremental enhancements of TCP's standard congestion control. In addition, TCPM may document alternative TCP congestion control algorithms that are known to be widely deployed, and that are considered safe for large scale deployment in the Internet. Changes of algorithms may require additional review by the IRTF Congestion Control Research Group (ICCRG). Fundamental changes to TCP or its congestion control algorithms (e.g., departure from loss-based congestion control) will be handled by other working groups or will require rechartering.~~

## Re-chartering (cont)

- ~~TCP's congestion control algorithms are the model followed by other IETF transports (e.g., SCTP or DCCP), which are standardized in other working groups, such as the Transport Area WG (tsvwg). In the past, the IETF has worked on several documents about algorithms that are specified for multiple protocols (e.g., TCP and SCTP) in the same document. Which WG shepherds such documents will be determined on a case-by-case basis. In any case, the TCPM WG will remain in close contact with other relevant WGs working on these protocols to ensure openness and stringent review from all angles.~~
- Congestion control work generally occurs in CCWG or ICCRG. However, TCPM can take on such work in coordination with those groups, especially if it relies on TCP-specific protocol elements.