Note Well
(https://www.ietf.org/about/note-well/)

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully. As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (https://www.ietf.org/contact/ombudsteam/) if you have questions or concerns about this.

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)
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 (Dec 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.