

24 July 2025

IETF 123 QUIC WG

This session is being recorded

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.

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- 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:

- [BCP 9](#) (Internet Standards Process)
- [BCP 25](#) (Working Group processes)
- [BCP 25](#) (Anti-Harassment Procedures)
- [BCP 54](#) (Code of Conduct)
- [BCP 78](#) (Copyright)
- [BCP 79](#) (Patents, Participation)
- <https://www.ietf.org/privacy-policy/> (Privacy Policy)

Note Really Well

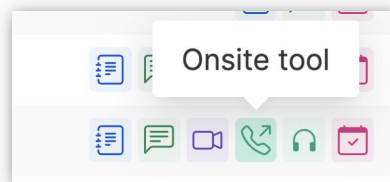
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IETF 123 Meeting Tips

In-person participants

- Make sure to sign into the session via Datatracker or the QR Code in this session.
- Use Meetecho (usually the "Meetecho lite") client to:
 - join the mic queue
 - participate in shows of hands
- *Keep audio and video off if not using the onsite version.*



Remote participants

- Make sure your audio and video are off unless you are chairing or presenting during a session.
- Use of a headset is strongly recommended.

Resources for IETF 123 Madrid

- Agenda
<https://datatracker.ietf.org/meeting/agenda>
- Meetecho and other information:
<https://www.ietf.org/how/meetings/preparation>
- If you need technical assistance, see the Reporting Issues page:
<http://www.ietf.org/how/meetings/issues/>

Admin

- Note takers... plz
 - <https://notes.ietf.org/notes-ietf-123-quic>
- Chat is Meetecho/Zulip
- Chairs will manage the queue

Agenda

- WG Items
 - Multipath (15 min)
 - Extended key updates (10 min)
 - Address discovery (5 min)
 - ACK Frequency (15 min)
 - ACK Receive Timestamps (15 min)
 - QUIC Stream Multiplexing (30 min)
- Other
 - Deadline-aware streams for Multi path (15 min)
 - QUIC Optimistic ACK (10 min)
 - Instant ACK in QUIC Handshakes (5 min)

Active drafts not being presented today

- Qlog
 - Latest versions published 2025-07-07
 - Closed 4 issues + editorial changes
 - [13 issues remain](#) - help/input welcome
- Reliable resets
 - Waiting on implementers still
 - WebTransport WG plan to initiate WGLC soon, might motivate work
- Load balancers
 - Still gathering deployment experience

June Interim recap 1

- Following IETF 122, sufficient interest to hold interim on “QMux: FKA QUIC on Streams”
 - Meeting materials [here](#)
- Goal: confirm interest in **doing** work. Decide **where** to do work.
- Outcome: do the work in QUIC WG but need to update the WG charter

June Interim recap 2

WG consensus to add 4th work item to charter, handed to AD, IESG ballot started

The fourth area of work is the specification of how QUIC stream multiplexing and other application-oriented extensions (e.g. Datagram) can be adapted to work over a reliable and bidirectional byte stream substrate. When the substrate is insecure, TLS will be the default security provider; no effort will be made to enable unprotected communication without a security provider. Substrates must provide congestion-management capabilities applicable to their deployment environments.

- Next: await IESG ballot result (tentatively 2025-08-07)
- Next next (assuming recharter passes): seek to adoption of specification