



**QUIC**

# IETF QUIC WG

WG Meeting at IETF 113  
2022-03-22



# 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:

- [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)

# IETF Code Of Conduct

# RFC 7154

1. IETF participants extend respect and courtesy to their colleagues at all times.
2. IETF participants have impersonal discussions.
3. IETF participants devise solutions for the global Internet that meet the needs of diverse technical and operational environments.
4. Individuals are prepared to contribute to the ongoing work of the group.
5. Please keep these in mind both at the mic and on Jabber/Meetecho IM



# Administrivia

- Note taker(s)
  - <https://notes.ietf.org/notes-ietf-113-quic>
- Blue sheets
  - Meetecho for remote, in-person scan the QR code
- Chat
  - Meetecho, Jabber
- Audio / Video
  - Hand icon to join/leave in queue
  - Microphone icon for audio, Camera icon for video
  - Presenters:
    - Page icon to ask to share slides
    - Screen icon to ask to share screen
  - Chairs will run the queue



# Agenda

<https://datatracker.ietf.org/doc/agenda-112-quic/01/>

- Chair updates - 5 mins
- WG items
  - Version negotiation - 20 mins
  - QUIC-LB - 10 mins
  - QUICv2 - 10 mins
  - Multipath - 30 mins
  - Qlog - 20 mins
- Additional items
  - 0RTT BDP - 10 mins



# Updates since the last meeting

- Multipath document adopted
- HTTP/3 and QPACK entered AUTH 48
- Datagram draft entered AUTH 48 yesterday
- Ops-drafts completed IETF Last Call, 0 GitHub issues remaining
- Grease Bit - shepherd writeup due

# Related work

At IETF 113

- MASQUE WG (Monday, Afternoon Session II)
- WebTrans WG (Thursday, Afternoon Session II)
- Media over QUIC (MoQ) BoF (Wednesday, Morning Session I)

# WG Milestones

- [Datatracker](#) holds our charter and a list of milestones
- Datatracker allows milestones to have dates or no dates, no mixing
- QUIC uses milestones with dates
- Our milestones are all “draft-xyz submitted to IESG” and all are in the past
  - Missing milestones for drafts adopted in the last few meeting cycles
- None of this is unique to the the QUIC WG
  - “Dated milestones considered... pointless?” [thread](#) on the WG chairs mailing list
  - Across whole IETF: 123 WGs. 4 use non-dated, 119 use dated.
  - 502 active dated milestones, 408 of these are late. That’s over 80%.
  - Median lateness is ~2.5 years
- Proposal: switch QUIC to use ordered but undated milestones
  - Order will reflect our anticipated sequence of document submission to IESG



# Retiring the Temporary IANA registry

- Wiki page on the QUIC base-drafts repo
- Intended to capture use of QUIC and HTTP/3 extension points before IANA tables created
  - QUIC versions
  - Transport Parameters
  - Settings
  - Frame types
  - Error Codes
- IANA tables now exist, please use them:
  - QUIC: <https://www.iana.org/assignments/quic/quic.xhtml>
  - HTTP/3: <https://www.iana.org/assignments/http3-parameters/http3-parameters.xhtml>
- Chairs will be coordinating migration of values from temporary tables to IANA
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