

# Quick QUIC Update

IETF 106

# Status

- Transport and TLS documents in "Late Stage Process"
- Recovery and HTTP documents about to join
- Interop steadily improving

# The Plan

- Working Group Last Call around end of year (2019)
- Prolonged pause for editorial adjustments, implementation and deployment feedback
- Will solicit reviews at that time
- Send to IESG around middle of 2020

# QUIC-Related Work

- Versions
- Extensions
- Applications
- Other Things
- Tracked at  
<https://github.com/quicwg/base-drafts/wiki/Related-Activities>

# Versions

- QUICv2 has been discussed for a while
- Need to exercise versioning mechanism, avoid ossification
- Not sure what it will include yet, however

# Extensions

- We have capacity opening up and desire to prove the QUIC extensibility model
- Currently considering:
  - QUIC Load Balancers (duke-[quic-load-balancers](#))
  - QUIC Version Negotiation ([schinazi-quic-version-negotiation](#))
  - QUIC Datagrams ([pauly-quic-datagram](#))
- Possibly in the future:
  - Loss Bits ([ferrieuxhamchaoui-tsvwg-lossbits](#))
  - 0RTT-BDP ([kuhn-quic-0rtt-bdp](#))
  - Multipath ([deconinck-quic-multipath](#))
- Need to recharter

# Applications

- Fair amount of interest in using QUIC for applications other than HTTP
  - WebTransport (vVV-webtransport-QUIC)
  - Media
  - Proxy/tunnelling (e.g., draft-schinazi-masque)
  - Others (e.g., DNS, NETCONF)
- QUIC Working Group will **not** adopt these
  - ... but will coordinate / consult with those who do

# Other Things

- Case-by-Case
  - QUIC Network Simulator
  - QLog logging format (marx-qlog-main-schema)
  - Pluginised QUIC
  - QUIC for SATCOM (kuhn-quic-4-sat)



# More Information

- Current list:  
<https://github.com/quicwg/base-drafts/wiki/Related-Activities>
- For Extensions: write a draft and bring it to QUIC
- For Applications: write a draft and bring it to ADs

Questions?