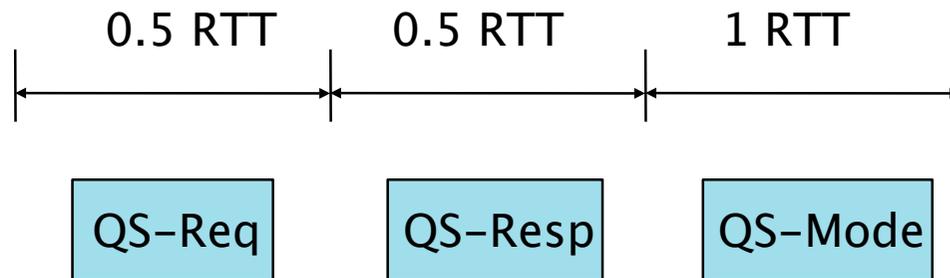


# Quick-Start for DCCP

draft-fairhurst-tsvwg-dccp-qs-02  
(Individual Submission)

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- Similar to QS with TCP [RFC 4782]
- Sender MAY use a Quick-Start request:
  - At start of a connection
  - In the middle of a connection
- SHOULD send request on a packet that is acknowledged

- Longer Quick-Start period (comment from Mark Allman).
- New section on interaction with middleboxes.
- Added description for CCID-4.
- Added clarification of PMTUD interaction.
- Section on QS Interval.
- Rewritten sections on what to do after loss/congestion.
- Clarified path-change trigger (e.g. mobility binding update).
- Other minor editorial NITs.
  
- No currently known remaining issues.

- What happens if you send a QS-Request too often?
  - Annoys routers (perform work on slow-path)
  - Takes capacity from QS pool - particularly in multi-hop path.
- Initial QS\_Interval now 6 sec:
  - 1s is too low, 10s probably too high.
  - {6, 12, 24, 48} = 4 attempts to get a response.
- What if you don't get a QS-Approval?
  - Exponential Backoff
  - $QS\_Interval = \max(6s, \max(QSPrev\_Interval * 2, 4 * RTT))$
  - Until 64 seconds... then, sender must give-up!

- Draft complete
- So.... The authors think this is ready for WGLC.