

Datagram Packetization Layer Path MTU Discovery

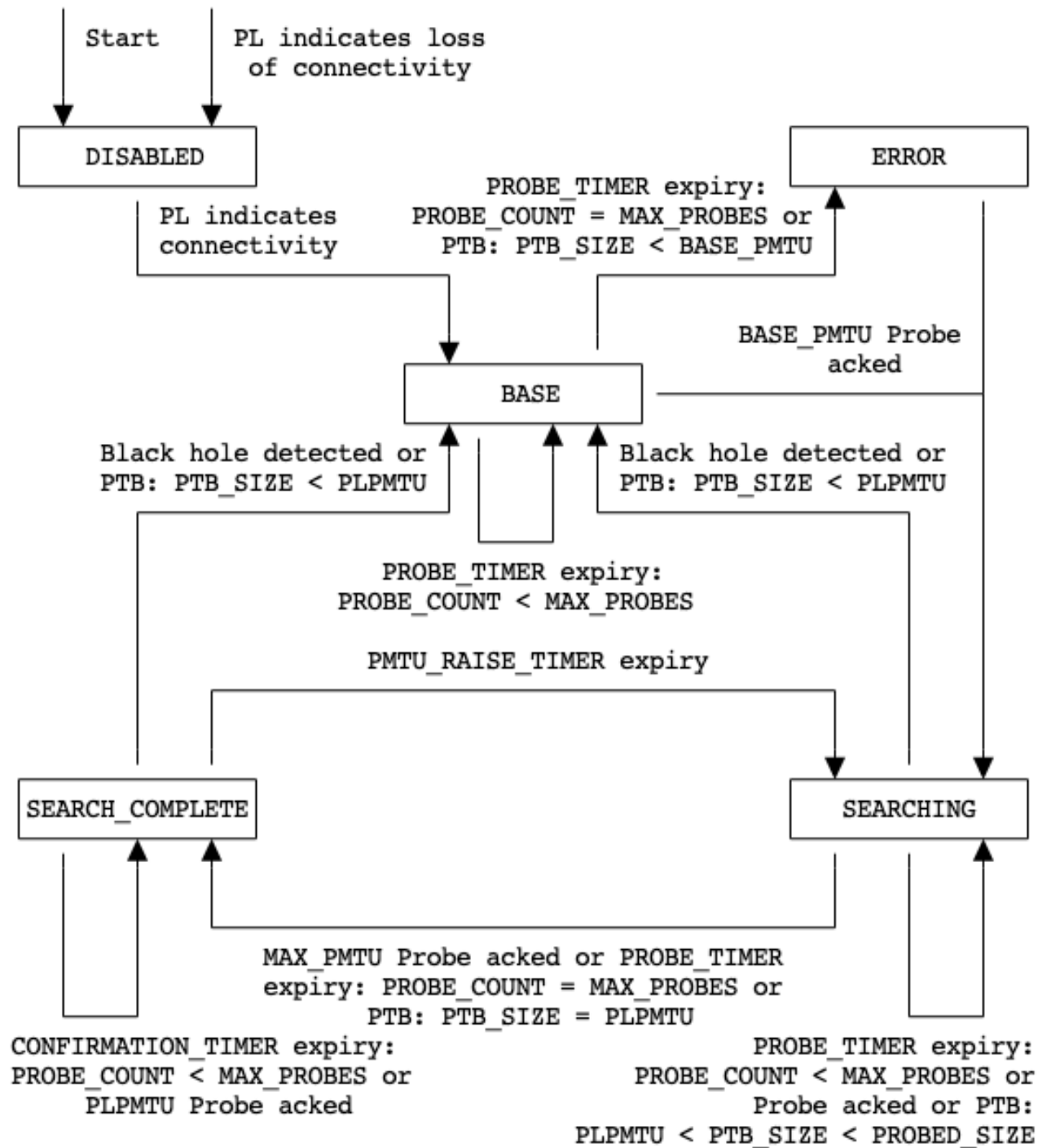
Draft-ietf-tsvwg-datagram-plpmtud-09

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draft-ietf-tsvwg-datagram-plpmtud-08

- Moved to xmlv3 with SVG diagrams in rich renders
- This is testing the I-D submission process
- TOC broken in some renders
- HTML (good):
 - <https://www.ietf.org/id/draft-ietf-tsvwg-datagram-plpmtud-09.html>
- HTMLised (bad):
 - <https://tools.ietf.org/html/draft-ietf-tsvwg-datagram-plpmtud-09>



Changes since draft-ietf-tsvwg-datagram-plpmtud-08

- Added Initial Connectivity sections to each PL
 - PL's without a connectivity mechanism need to implement their own mechanism
- Added text to disable outgoing Network PTMU enforcement of packets
- A updated implementation with SCTP on FreeBSD has been performed by Julius Flohr

Relationship to other documents

- Aligns with RFC4821 (which focuses on PLPMTUD for TCP)
- Normative Referenced by:
 - Use motivated in draft-ietf-intarea-frag-fragile-10 (RFC-Ed as BCP)
 - draft-ietf-quic-transport-24
 - draft-ietf-tsvwg-udp-options-08
 - draft-fairhurst-tsvwg-udp-options-dplpmtud-01
- Defines a method to realise (PL)PMTUD for SCTP:
 - RFC 4960, RFC 6951, RFC 8261

Implementations

- Implementation for SCTP on FreeBSD
 - individual -00 (Irene)
 - Updated for -09 (Julius Flohr 2019)
- UDP Options on FreeBSD in 2018 (by Tom)
- Partial Implementations
 - MozQUIC implementation in 2018 (by Tom)
 - 3 custom UDP Protocol Implementations

**We are ready for
Working Group Last Call**