

TSVWG

IETF-109 (virtual)

16th & 18th November 2020

Gorry Fairhurst

Wes Eddy

David Black

WG chairs

Note Well

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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)

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I E T F

HELP TSVWG!

- Need a Note Taker
- Need a scribe for Jabber session
- Need reviewers for WG drafts

- Future TSVWG Authors:
PLEASE add “-tsvwg-” to any ID submitted

Meetecho Usage Tips

- Chat and Meeting Notes:
 - Separate tabs/windows may be easier to use:
 - Chat: Can be separated into jabber-like window
 - Meeting notes: Separate CodiMD (editor) tab or window
 - Keeps Meetecho focus on speakers, queue and slides
- Discussion – Please use Meetecho mic queue:
 - Click “hand+mic” icon to join mic queue
 - Please avoid “triangle+mic” (interrupting is not polite)

Document Review Request

- Document quality relies on reviews, please review documents in your working group and at least one other document from another working group.
- If you'd like documents that you care about reviewed, please put the effort in to review other documents.

TSVWG Accomplishments and Status

- 1 RFC published since IETF 108:
 - Datagram PL Path MTU Discovery (RFC 8899)
- 1 Internet-Draft (ID) [still] in [AUTH-48-DONE](#) (!!) at RFC Editor:
 - Diffserv and Web RTC QoS
 - Part of the (in)famous WebRTC cluster 238
 - Includes updates for LE PHB (RFC 8622)
- 1 ID at IESG (AD is reviewing [evaluating])
 - Transport Header Confidentiality Impacts

TSVWG Accomplishments and Status

- 3 IDs with WG chairs & authors after WGLC:
 - ECN Encapsulation for Lower Layer Protocols
 - New fragmentation interaction text needed
 - ECN for Tunnels that use Shim Headers
 - New fragmentation interaction text needed
 - SCTP NAT Support
 - Awaiting a Document Shepherd Write up
- No IDs in WG Last Call

TSVWG Accomplishments and Status

- Additional Working Group IDs (6)
 - 1) SCTP (RFC 4960.bis)
 - 2) L4S Architecture
 - 3) L4S Identifier (ECN)
 - 4) L4S AQM (dualq-coupled)
 - 5) Non-Queue-Building (NQB) PHB
 - 6) UDP Options
- Tunnel congestion feedback ID was dropped due to lack of interest/progress

TSVWG: Related Drafts

- Transport-related:
 - IPv6 Path MTU Discovery (draft-ietf-6man-mtu-option)
 - Low Latency DOCSIS (Submitted to ISE)
 - draft-briscoe-docsis-q-protection
 - draft-white-tsvwg-lld
 - DP Path MTU Discovery: UDP Options
 - draft-fairhurst-tsvwg-udp-options-dplpmtud
 - L4S operations
 - draft-white-tsvwg-l4sops
 - SCTP
 - draft-tuexen-tsvwg-sctp-udp-encaps-cons
 - New CC
 - draft-pan-tsvwg-hpccplus
 - draft-dai-tsvwg-pfc-free-congestion-control

TSVWG Agenda

Chairs Agenda Bashing

NOTE WELL

Monday Agenda

Document Accomplishments and Status

Milestones Review

Drafts

Wednesday Agenda

More Drafts

WG Milestones Review (1)

- **Sep 2020** Submit 'SCTP NAT Support' to IESG as a Proposed Standard RFC (Almost done, no date change)
- **Oct 2020** Submit "Low Latency, Low Loss, Scalable Throughput (L4S) Internet Service: Architecture" as an Informational RFC (Move to Oct 2021 with other L4S drafts)
- **Nov 2020** Submit 'Guidelines for Adding Congestion Notification to Protocols that Encapsulate IP' as a BCP RFC
(no date change)
- **Nov 2020** Submit 'Propagating Explicit Congestion Notification Across IP Tunnel Headers Separated by a Shim as a Proposed Standard RFC (Almost done, no date change)
- **Dec 2020** Submit "SCTP" (rfc4960bis) as a Proposed Standard RFC

WG Milestones Review (2)

- **Feb 2021** Submit "Transport Options for UDP" as a Proposed Standard RFC
- **Feb 2021** Submit "A Non-Queue-Building Per Hop Behavior (NQB PHB) ..." as a Proposed Standard RFC Dec 2020
- **Oct 2021** Submit "DualQ Coupled AQM for Low Latency, Low Loss and Scalable Throughput" as an Experimental RFC
- **Oct 2021** Submit "Identifying Modified Explicit Congestion Notification (ECN) Semantics for Ultra-Low Queuing Delay" as an Experimental RFC

Agenda for Monday

1. Agenda

2. Chairs Update

3. Announcements and Heads-Up

ONE slide to be presented by chairs

4. SCTP Drafts

4.1 Michael Tuexen: bis update to SCTP Spec.

draft-ietf-tsvwg-rfc4960-bis

5. Transport Working Group Drafts: Protocols

5.1 Joe Touch (proxy/remote): UDP Options

draft-ietf-tsvwg-udp-options

5.2 Gorry Fairhurst: DPLPMTUD for UDP Options

draft-fairhurst-tsvwg-udp-options-dplpmtud-03

5.3 Greg White: Identifying and Handling Non-Queue Building Flows

draft-ietf-tsvwg-nqb

6. Individual Drafts

6.1 Markus Amend: DCCP Extensions for Multipath Operation

Agenda for Wednesday

7. Transport Working Group Drafts: ECN

7.1 Agenda Recap

7.2 Greg White: L4S Operational Guidance

draft-white-tsvwg-l4sops

7.2 Bob Briscoe: L4S ECN drafts

draft-ietf-tsvwg-ecn-l4s-id

draft-ietf-tsvwg-l4s-arch

draft-ietf-tsvwg-aqm-dualq-coupled

8. All Other Business

8.1 Davide Brunello's thesis work relevant to L4S (TBD)