

TSVWG

IETF-101 (London)

22nd March 2018

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WG chairs

Note Well

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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

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

- 4 RFCs published since start of IETF 100:
 - RFC 8260: SCTP I-DATA Chunk
 - RFC 8261: DTLS Encap of SCTP for Web RTC
 - RFC 8311: ECN Experimentation
 - RFC 8325: Diffserv to IEEE 802.11 (WiFi) Mapping
- 1 Internet-Drafts (ID) in RFC Editor Queue:
 - DiffServ and Web RTC QoS
 - RFC Ed. State: MISSREF [several WebRTC drafts]

TSVWG Accomplishments and Status

- No IDs with ADs or at IESG
- 1 ID with WG chairs & authors after WGLC
 - SCTP (RFC 4960) Errata and Issues
 - Will be submitted for RFC publication soon
- 1 ID in WG Last Call (ends March 30)
 - DSCP IANA Process Changes
 - Needed for Diffserv Lower Effort PHB

TSVWG Accomplishments and Status

- 5 IDs likely to go to WG Last Call soon
 - Diffserv Lower Effort PHB
 - After *IETF Last Call* on DSCP IANA draft
 - ECN Encapsulation for Lower Layer Protocols
 - ECN for Tunnels that use Shim Headers
 - Above two drafts will be *WG Last Called* together
 - FEC Framework Extension
 - FEC Sliding Window Random Linear Code
 - Above two drafts will be *WG Last Called* together

TSVWG Accomplishments and Status

- Additional Working Group IDs (7)
 - 1) SCTP NAT Support
 - 2) L4S Architecture
 - 3) L4S Identifier (ECN)
 - 4) L4S AQM (dualq-coupled)
 - 5) UDP Options
 - 6) Tunnel Congestion Feedback
 - 7) Datagram PL PMTU Discovery

TSVWG: Related Drafts

- Transport-related (on TSVWG agenda):
 - Transport Header Encryption Impacts
draft-fairhurst-tsvwg-transport-encrypt
 - Priority Switching Scheduler
draft-finzi-priority-switching-scheduler
- Transport-related (not on TSVWG agenda):
 - Simplemux generic multiplexing
draft-saldana-tsvwg-simplemux
 - Firewall and Service Tickets (inband)
draft-herbert-fast
 - Congestion Control for Guaranteed Bandwidth
draft-han-tsvwg-cc (overview in TCPM on Monday)

TSVWG: Related Drafts (2)

- Internet-related (intarea WG):
 - Tunnel MTU Considerations
draft-ietf-intarea-tunnels
 - Fragmentation Fragility
draft-bonica-intarea-frag-fragile
 - SOCKS Protocol Version 6
draft-olteanu-intarea-socks-6

TSVWG Agenda

Chairs Agenda Bashing

NOTE WELL

Thursday's Agenda (two back-to-back sessions)

Document Accomplishments and Status

Milestones Review

Drafts

WG Milestones Review (1)

- Dec 2017 Submit 'RFC 4960 Errata and Issues' (SCTP) as an Informational RFC (should happen in next week or two)
- Jan 2018 Submit 'Guidelines for Adding Congestion Notification to Protocols that Encapsulate IP' as a BCP RFC
- Jan 2018 Submit 'Propagating Explicit Congestion Notification Across IP Tunnel Headers Separated by a Shim as a Proposed Standard RFC'
(move both dates to June 2018, drafts are ready for WGLC)
- Apr 2018 Submit 'A Lower Effort Per-Hop Behavior (LE PHB)' as a Proposed Standard RFC (now includes DSCP IANA draft)
- May 2018 Submit 'SCTP NAT Support' to IESG as a PS RFC (move to after Montreal meetings, October?)
- Jun 2018 Submit "Forward Error Correction (FEC) Framework Extension to Sliding Window Codes" as a Proposed Standard RFC
- Jun 2018 Submit "Sliding Window Random Linear Code (RLC) Forward Erasure Correction (FEC) Scheme for FECFRAME" as a Proposed Standard RFC

WG Milestones Review (2)

- Sep 2018 Submit "Low Latency, Low Loss, Scalable Throughput (L4S) Internet Service: Architecture" as an Informational RFC
- Sep 2018 Submit "DualQ Coupled AQM for Low Latency, Low Loss and Scalable Throughput" as an Experimental RFC
- Sep 2018 Submit "Identifying Modified Explicit Congestion Notification (ECN) Semantics for Ultra-Low Queuing Delay" as an Experimental RFC
- Dec 2018 Submit "Transport Options for UDP" as a Proposed Standard RFC
- Dec 2018 Submit 'Packetization Layer Path MTU Discovery for Datagram Transports' as a Proposed Standard RFC
- Dec 2018 Submit "Tunnel Congestion Feedback" as an Informational RFC

Agenda for Thursday (part 1)

1) Document Status, Charter and Accomplishments

- Published RFCs (4)
- Related drafts
- WG Charter and Milestones

2) Agenda bashing

- Update on draft-ietf-tsvwg-tunnel-congestion-feedback

3) LE (Lower Effort) PHB

- draft-ietf-tsvwg-iana-dscp-registry
- draft-ietf-tsvwg-le-phb

4) Priority Switching Scheduler (individual draft)

- draft-finzi-priority-switching-scheduler

Agenda for Thursday (part 2)

5) Datagram Packetization Layer Path MTU Discovery

- draft-ietf-tsvwg-datagram-plpmtud

6) ECN Encapsulation drafts

- draft-ietf-tsvwg-ecn-encap-guidelines
- draft-ietf-tsvwg-rfc6040update-shim

7) L4S drafts

- draft-ietf-tsvwg-l4s-arch
- draft-ietf-tsvwg-ecn-l4s-id
- draft-ietf-tsvwg-dualq-coupled
- draft-briscoe-tsvwg-l4s-diffserv (new)

8) IEEE 802.1 Congestion Isolation activity

--- Break (1750 – 1810) ---

NOTE: FECFRAME could be taken before the break
(London)

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Agenda for Thursday (part 3)

- 9) Forward Error Correction (FECFRAME) update*
 - draft-ietf-tsvwg-fecframe-ext
 - draft-ietf-tsvwg-rlc-fec-scheme
- 10) UDP Options
 - draft-ietf-tsvwg-udp-options
- 11) SCTP Drafts
 - draft-ietf-tsvwg-rfc4960-errata (update)
 - draft-ietf-tsvwg-natsupp
- 12) Transport Header Encryption Impacts
 - draft-fairhurst-tsvwg-transport-encrypt