TSVWG
IETF-101 (London)

22\textsuperscript{nd} March 2018

Gorry Fairhurst
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WG chairs
Note Well

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point you in the right direction. Exceptions may apply. The IETF’s patent policy and the definition of an IETF
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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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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
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