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

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