TSVWG
IETF-116 (Yokohoma, Japan)

March 2023

Gorry Fairhurst
Marten Seeman
WG chairs
Mirja Kuehlewind
'guest' Chair!

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)
https://www.ietf.org/privacy-policy/ (Privacy Policy)

I E T F

HELP TSVWG!

- Need a Note Taker
- Need reviewers for WG drafts

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

Meetecho

- Please use Meetecho mic queue:
    - Click "hand" icon to join mic queue
    - Please do not use "mic" icon until asked by chairs

Document Review Request

- Document quality relies on reviews.

- If you'd like documents that you care about reviewed, please put the effort in to review other documents.

TSVWG Accomplishments and Status

3 drafts published as RFCs since IETF-115

- draft-ietf-tsvwg-ecn-l4s-id as RFC9330
- draft-ietf-tsvwg-l4s-arch as RFC9331
- draft-ietf-tsvwg-aqm-dualq-coupled as RFC9332

1 draft with RFC Ed

- DSCP Considerations

No drafts at IESG after IETF Last Call

TSVWG Status

2 drafts with WG chairs & authors after WG Last Call:
- ECN Encapsulation for Lower Layer Protocols
  - Working through revised reframing interaction text
- ECN for Tunnels that use Shim Headers
  - No open issues – fragmentation issue resolved

3 drafts have just completed 1st WG Last Call
- UDP Options
- DPLPMTUD for UDP Options
- Non-Queue-Building (NQB) PHB

  - These drafts received detailed comments
  - *Another WGLC will be scheduled*

Remaining Working Group IDs

L4S Operational Guidance

DTLS/SCTP

Multipath DCCP (please review – see later)

User Ports for Experiments (please review)

TSVWG: Related IDs
(not on this meeting agenda)

Please post to list or talk to authors if interested

ECN Over Aggregating Tunnels
 – draft-duke-tsvwg-ecn-aggregating-tunnels

Comcast ISP Low Latency Deployment Design Rec.
 – draft-livingood-low-latency-deployment

Guidelines for Internet Congestion Control at Endpoints
 – draft-fairhurst-tsvwg-cc

More Accurate ECN Feedback in TCP (TCPM WGLC)
 – draft-ietf-tcpm-accurate-ecn-23

WG Milestones

- **March 2023 "DTLS over SCTP" as a Proposed Standard RFC**
- **April 2023 Submit 'Guidelines for Adding Congestion Notification to Protocols that Encapsulate IP' as a BCP RFC**
- **April 2023 Submit 'Propagating Explicit Congestion Notification Across IP Tunnel Headers Separated by a Shim as a PS RFC**
- **July 2023 Submit "DCCP Extensions for Multipath Operation with Multiple Addresses " as an EXP RFC**
- **July 2023 Submit "Operational Guidance for Deployment of L4S in the Internet" as an INFO RFC**
- **Sep 2023 Submit "Transport Options for UDP" as a PS RFC**
- **May 2023 Submit "Datagram PLPMTUD for UDP Options" as a PS RFC**
- **Sep 2023 Submit NQB PHB as a PS RFC [currently in WGLC]**

TSVWG Agenda (Tuesday)

1. Agenda – These slides

2. Chairs Update – These slides
   ECN encapsulation drafts status
   Active WG drafts status

3. WG Differentiated Services & AQM Drafts:
   3.1 Greg White: L4S Operational Guidance
           draft-ietf-tsvwg-l4sops
   3.2 Greg White: NQB
           draft-ietf-tsvwg-nqb

4. Transport Drafts
   4.1 Markus Ahmed: MP-DCCP
           draft-ietf-tsvwg-multipath-dccp
   4.2 UDP Options and DPLPMTUD for UDP Options
           draft-ietf-tsvwg-udp-options
           draft-ietf-tsvwg-udp-options-dplpmtud

TSVWG Agenda (Tuesday part 2)

5. Other Individual Drafts

    5.1 Nicolas Kuhn: Careful resumption of CC
         draft-kuhn-quic-careful-resume

    5.3 Matt Mathis: Safe Congestion Control (15 mins)
         draft-mathis-tsvwg-safecc

    5.2 John Kaippallimalil: Metadata for Media Packets
         draft-kaippallimalil-tsvwg-media-hdr-wireless

Swapped order

6. Any Other Business (If time permits)

    6.1 Tiru Reddy: Encrypted Transport Protocol Path Explicit Signals
draft-reddy-tsvwg-explcit-signal

TSVWG Agenda (Thursday)

5. 8. SCTP Drafts
  8.1 Magnus Westerlund: DTLS protection for SCTP
          draft-ietf-tsvwg-dtls-over-sctp-bis
          draft-westerlund-tsvwg-sctp-crypto-chunk
          draft-westerlund-tsvwg-sctp-crypto-dtls

  8.2 Michael Tuexen*: Zero Checksum for SCTP
      draft-tuexen-tsvwg-sctp-zero-checksum

  8.3 Michael Tuexen*: SCTP-Auth 4895.bis
          draft-tuexen-tsvwg-rfc4895-bis

  8.4 Michael Tuexen*: SCTP/UDP 6951.bis
          draft-tuexen-tsvwg-rfc6951-bis

9. Other Individual Drafts
  9.1 Louis Chan: Enhanced Port Forwarding functions with CGNAT
          draft-chan-tsvwg-eipf-cgnat-02.txt