TSVWG
IETF-115 (London)

November 2022

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

Some up-coming IDs needing review:
  Multipath DCCP
  UDP Options
TSVWG Accomplishments and Status

No RFCs published since IETF 114

3 drafts at RFC Editor
  • L4S Architecture
  • L4S Identifier (ECN)
  • L4S AQM (dualq-coupled)

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
   RFC publication requests for both drafts: coming soon

1 draft has just completed 2nd WG Last Call
  • Assigning a new Recommended DSCP

1 draft in WG Last Call
  • Non-Queue-Building (NQB) PHB
Remaining Working Group IDs

1) L4S Operational Guidance
2) UDP Options (expired, new revision soon)
3) DPLPMTUD for UDP Options (will WGLC with 2)
4) DTLS/SCTP
5) Multipath DCCP
6) User Ports for Experiments

First 5 drafts: On TSVWG agenda
• User Ports for Experiments: Complete, WGLC soon
• SCTP NAT: Removed from TSVWG plan of work
TSVWG: Related IDs (on meeting agenda)

- SCTP Authenticated Chunks: Update  
  - draft-tuexen-tsvwg-rfc4895-bis
- SCTP/UDP: Update  
  - draft-tuexen-tsvwg-rfc6951-bis
- SCTP Zero Checksum  
  - draft-tuexen-tsvwg-sctp-zero-checksum
- Guidelines for Internet Congestion Control at Endpoints  
  - draft-fairhurst-tsvwg-cc
- ECN Over Aggregating Tunnels  
  - draft-duke-tsvwg-ecn-aggregating-tunnels
- Careful Resumption of Congestion Control  
  - draft-kuhn-quic-careful-resume
TSVWG: Related IDs

Please post to list or talk to authors if interested

• Comcast ISP Low Latency Deployment Design Recommendations
  – draft-livingood-low-latency-deployment
• HPCC++: Enhanced High Precision Congestion Control
  – draft-miao-tsv-hpcc
• Media Header Extensions for Wireless Networks
  – draft-kaippallimalil-tsvwg-media-hdr-wireless
WG Milestones Review (2022)

Two WG milestones (still) about to be achieved:

- **April 2022**  Submit 'Guidelines for Adding Congestion Notification to Protocols that Encapsulate IP' as a BCP RFC
- **April 2022**  Submit 'Propagating Explicit Congestion Notification Across IP Tunnel Headers Separated by a Shim' as a PS RFC

Additional 2022 WG milestones:

- **May 2022**  Submit "Transport Options for UDP" as a PS RFC
- **May 2022**  Submit "Datagram PLPMTUD for UDP Options” as a PS RFC
  [Proposal: move above two milestones to Mar2023]
- **Sep 2022**  Submit NQB PHB as a PS RFC [currently in WGLC]
- **Dec 2022**  Submit “Considerations for Assigning a new Recommended DSCP” as an INFO RFC
WG Milestones Review (2023)

- Mar 2023 Submit "DTLS over SCTP" 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
TSVWG Agenda (part 1)

1. Agenda – These slides
   Milestones review

2. Chairs Update – These slides
   ECN encapsulation drafts status
   L4S drafts status
   Active WG drafts status

3. Working Group Diffserv & AQM Drafts:
   3.1 Gorry Fairhurst/Ana Custura: DSCP Considerations (post WGLC)
       draft-ietf-tsvwg-dscp-considerations
   3.2 Greg White: L4S Operational Guidance (in WGLC)
       draft-ietf-tsvwg-l4sops
TSVWG Agenda (part 2)

4. Working Group Transport Protocol Drafts
   4.1 Multipath DCCP
      4.1.1 Minjun Xi: Multipath DCCP Interoperability
      4.1.2 Markus Amend: Multipath DCCP
          draft-ietf-tsvwg-multipath-dccp
   4.2 SCTP Authentication
      4.2.1 John Mattsson: SCTP Authentication analysis
      4.2.2 Michael Tuexen: SCTP Authentication update
          draft-tuexen-tsvwg-rfc4895-bis
   4.3 Magnus Westerlund: DTLS over SCTP
      draft-ietf-tsvwg-dtls-over-sctp-bis
   4.4 UDP Options
      4.4.1 Chairs: UDP Options
          draft-ietf-tsvwg-udp-options
      4.4.2 Tom Jones/Gorry Fairhurst: DPLPMTUD for UDP Options
          draft-ietf-tsvwg-udp-options-dplpmtud
TSVWG Agenda (part 3)

5. Individual Drafts
   5.1 Michael Tuexen: SCTP/UDP Update
draft-tuexen-tsvwg-rfc6951-bis
   5.2 Michael Tuexen: SCTP Zero Checksum
draft-tuexen-tsvwg-sctp-zero-checksum
   5.3 Nicolas Kuhn: Careful resumption of CC
draft-kuhn-quic-careful-resume
   5.4 Gorry Fairhurst: Guidelines for Internet CC
draft-fairhurst-tsvwg-cc
   5.5 Martin Duke: ECN Tunnels
draft-duke-tsvwg-ecn-aggregating-tunnels

6. All Other Business (if time permits)
   6.1 Jeff Tantsura: HPCC++
   6.2 Michael Tuexen: Other SCTP drafts
   6.3 John Kaippallimalil: Metadata for Media Packets
   6.4 Ingemar Johansson: 5G radio scheduling and L4S (no draft)
Chairs Topics

• Liaison communications
  – WBA Liaison (DSCP/5QI mapping): David
  – 3GPP Liaison (SCTP & DTLS): Gorry
  – GSMA Liaison (Multipath DCCP): Gorry

• IEPG Presentation on DSCP Measurement

• PHBID Registry (RFC 3140)
  – Plan: New draft to obsolete IANA-registered Per Hop Behavior Identification Codes (PHBIDs)
    • Update RFC 3140 and close IANA registry
  – No effect on use of DSCPs for signaling
  – No effect on use of PHBIDs that embed a DSCP
TSVWG Leadership Update

• Welcome Marten Seeman: New WG chair
• Gorry Fairhurst: Continuing WG chair
• David Black: Stepping down as a WG chair
  – Will continue to shepherd drafts