

TSVWG

IETF-115 (London)

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WG chairs

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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 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-quick-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)

- **[Jan 2023 Submit “User Ports for Experiments” as a PS RFC] New**
- **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-quick-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