

TSVWG

IETF-111 (virtual)

26th & 29th July 2021

Gorry Fairhurst

Wes Eddy

David Black

WG chairs (all remote!)



Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

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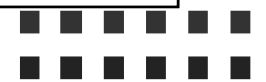
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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

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)



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

Meetecho Usage Tips

- Chat and Meeting Notes:
 - Separate tabs/windows may be easier to use:
 - Chat: Can be separated into jabber-like window
 - Meeting notes: Separate CodiMD (editor) tab or window
 - Keeps Meetecho focus on speakers, queue and slides
- Discussion – Please use Meetecho mic queue:
 - Click “hand” icon to join mic queue
 - Please do not use “mic” icon until acknowledged by chairs (interrupting is not polite)

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.

Some up-coming IDs needing review:
SCTP core standards
UDP Options
Various ECN Specs...

TSVWG Accomplishments and Status

- 1 RFC published since IETF 109:
 - Transport Header Confidentiality Impacts (RFC 9065)
- No IDs at IESG (after IETF Last Call)
- 1 ID with AD (review)
 - SCTP NAT Support

TSVWG Accomplishments and Status

- 2 IDs with WG chairs & authors after WGLC:
 - ECN Encapsulation for Lower Layer Protocols
 - Need to replace reframing interaction text
 - ECN for Tunnels that use Shim Headers
 - No open issues – fragmentation issue resolved

TSVWG Accomplishments and Status

- Additional Working Group IDs (9)
 - 1) SCTP (RFC 4960.bis)
 - 2) L4S Architecture
 - 3) L4S Identifier (ECN)
 - 4) L4S AQM (dualq-coupled)
 - 5) L4S Operational Guidance
 - 6) Non-Queue-Building (NQB) PHB
 - 7) UDP Options
 - 8) DTLS/SCTP
 - 9) Diffserv Default DSCP Selection (newly adopted)

TSVWG: Related Drafts

- Path MTU Discovery:
 - Datagram Protocols: UDP Options
 - draft-fairhurst-tsvwg-udp-options-dplpmtud
 - Waiting for main UDP Options draft to progress
 - IPv6
 - draft-ietf-6man-mtu-option (6man working group)
 - STUN (NAT Traversal)
 - draft-ietf-tram-stun-pmtud
- Transport Protocols and Satellites
 - draft-jones-tsvwg-transport-for-satellite
 - On panrg (Path Aware Networking RG) agenda (Thu)

TSVWG: Related Drafts

- Application Aware Networking (APN)
 - APN BOF: Friday, 1200-1400 (US Pacific Time)
- Multipath DCCP
 - draft-amend-tsvwg-multipath-dccp
 - On TSVWG agenda (Thu), WG adoption requested
- Network Layer Multipath
 - draft-lencse-tsvwg-mpt
- Real-time Transport Object over Unidirectional Transport (ROUTE)
 - draft-zia-route
 - Motivation: multicast, same general problem area as FLUTE (RFC 6726)
 - On TSVAREA agenda (Fri), may be taken up by TSVWG if there is interest

TSVWG Agenda

Chairs Agenda Bashing

NOTE WELL

Monday Agenda

Document Accomplishments and Status

Milestones Review

Drafts

Thursday Agenda

More Drafts

NOTE: TSVWG is very short on meeting time this week (2 hours, could easily use 4 hours), please keep comments brief and to the point!!

WG Milestones Review (1)

- **Jun 2021** **Submit 'Guidelines for Adding Congestion Notification to Protocols that Encapsulate IP' as a BCP RFC**
- **Jun 2021** **Submit 'Propagating Explicit Congestion Notification Across IP Tunnel Headers Separated by a Shim as a Proposed Standard RFC**
- **Jun 2021** **Submit "Transport Options for UDP" as a Proposed Standard RFC**

First draft (ecn-encap) should be close to ready, second draft (rfc6040shim-update) is ready, chairs will determine new UDP options date after meeting week.

WG Milestones Review (2)

- **Sep 2021** **Submit “SCTP” (rfc4960bis) as a Proposed Standard RFC**
- **Sep 2021** **Submit “A Non-Queue-Building Per Hop Behavior (NQB PHB) ...” as a Proposed Standard RFC**
- **Oct 2021** **Submit "DualQ Coupled AQM for Low Latency, Low Loss and Scalable Throughput" as an Experimental RFC**
- **Oct 2021** **Submit "Identifying Modified Explicit Congestion Notification (ECN) Semantics for Ultra-Low Queuing Delay“ as an Experimental RFC**
- **Oct 2021** **Submit "Low Latency, Low Loss, Scalable Throughput (L4S) Internet Service: Architecture" as an Informational RFC**
- **New dates TBD: L4S Operations (sometime after October), DTLS/SCTP and Diffserv Default DSCP selection. Chairs will determine after meeting week.**

Agenda for Monday

1. Agenda and Draft Status

2. Chairs Update

WBA, 3GPP, GSMA liaison communications

Announcements and Heads-Up

3. Transport Working Group Drafts: ECN

3.1 Agenda Recap

3.2 Bob Briscoe: L4S ECN drafts

draft-ietf-tsvwg-ecn-l4s-id

draft-ietf-tsvwg-l4s-arch

draft-ietf-tsvwg-aqm-dualq-coupled

3.3 Greg White: L4S Operational Guidance

draft-ietf-tsvwg-l4sops

Agenda for Thursday

4. Agenda Review

4.1 SCTP Spec – bis update (ready for WG Last Call)

draft-ietf-tsvwg-rfc4960-bis

5. SCTP WG Drafts

5.1 Magnus Westerlund: bis update to SCTP/DTLS spec

draft-westerlund-tsvwg-dtls-over-sctp-bis

5.2 NAT Alternatives for SCTP

draft-ietf-tsvwg-natsupp

6. Transport Working Group Drafts: Protocols

6.1 Ana Custura: DSCP Selection (results of adoption call)

draft-ietf-tsvwg-dscp-considerations (newly adopted)

6.2 Greg White: Identifying and Handling Non-Queue Building Flows

draft-ietf-tsvwg-nqb

6.3 Joe Touch (proxy/remote): UDP Options

draft-ietf-tsvwg-udp-options

7. Individual Draft: Markus Amend: Multipath DCCP (WG Adoption Requested)

draft-amend-tsvwg-multipath-dccp