

TSVWG

IETF-108 (virtual)

28th & 30th July 2020

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WG chairs



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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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: Separate Jabber client
 - Meeting notes: Separate CodiMD (editor) tab or window
 - Keeps Meetecho focus on speakers, queue and slides
- Discussion – Please use Meetecho mic queue:
 - Click “hand+mic” icon to join mic queue
 - Please avoid “triangle+mic” icon
- Please don't send video in Meetecho:
 - May cause Meetecho video selection/display problems
 - Chairs will display all slides for meeting

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

- 3 RFCs published since IETF 106:
 - FEC Framework Extension (RFC 8680)
 - FEC Sliding Window RLC (RFC 8681)
 - TinyMT32 Pseudo RNG (RFC 8682)
- 1 Internet-Draft (ID) in [AUTH-48-DONE \(!!\)](#):
 - Diffserv and Web RTC QoS
 - Part of the (in)famous WebRTC cluster 238
 - Includes updates for LE PHB (RFC 8622)
- 1 Internet-Draft in RFC Editor Queue:
 - Datagram PL Path MTU Discovery

TSVWG Accomplishments and Status

- No IDs at IESG (yet)
- 3 IDs with WG chairs & authors after WGLC:
 - ECN Encapsulation for Lower Layer Protocols
 - New fragmentation interaction text needed
 - ECN for Tunnels that use Shim Headers
 - New fragmentation interaction text needed
 - Transport Header Confidentiality Impacts
 - Will leave WG shortly
- No IDs in WG Last Call
- 1 ID likely to go to WG Last Call soon:
 - SCTP NAT Support

TSVWG Accomplishments and Status

- Additional Working Group IDs (7)
 - 1) SCTP (RFC 4960bis)
 - 2) L4S Architecture
 - 3) L4S Identifier (ECN)
 - 4) L4S AQM (dualq-coupled)
 - 5) Non-Queue-Building (NQB) PHB
 - 6) UDP Options
 - 7) Tunnel Congestion Feedback

TSVWG: Related Drafts

- Transport-related:
 - IPv6 Path MTU Discovery
 - draft-ietf-6man-mtu-option
 - LOOPS (Localized Optimization of Path Segments)
 - Draft Charter: <https://github.com/loops-wg/charter/>
 - BOF: Friday, July 31, 1100-1240 UTC
 - draft-li-tsvwg-loops-problem-opportunities
 - draft-welzl-loops-gen-info
 - ECN and NSH (uses Tunnel Congestion Feedback)
 - draft-ietf-sfc-nsh-ecn-support
 - Low Latency DOCSIS (Submitted to ISE)
 - draft-briscoe-docsis-q-protection
 - draft-white-tsvwg-lld
 - DP Path MTU Discovery: UDP Options
 - draft-fairhurst-tsvwg-udp-options-dplpmtud

TSVWG: More Related Drafts

- Internet-related (intarea WG):
 - Tunnel MTU Considerations
(draft-ietf-intarea-tunnels)
 - Fragmentation Fragility
(draft-ietf-intarea-frag-fragile)
 - SOCKS Protocol Version 6
(draft-olteanu-intarea-socks-6)
- SCTP
 - Multipath(draft-tuexen-tsvwg-sctp-multipath)
 - Retransmit bit (draft-proshin-tsvwg-sctp-rtx-bit)

TSVWG Agenda

Chairs Agenda Bashing

NOTE WELL

Tuesday Agenda

Document Accomplishments and Status

Milestones Review

Drafts

Thursday Agenda

More Drafts

WG Milestones Review (1)

- **Jan 2020** **Submit 'Guidelines for Adding Congestion Notification to Protocols that Encapsulate IP' as a BCP RFC**
- **Apr 2020** **Submit 'SCTP NAT Support' to IESG as a Proposed Standard RFC**
- **Apr 2020** **Submit “The Impact of Transport Header Confidentiality on Network Operation and Evolution of the Internet” as an Informational RFC**
- **Jun 2020** **Submit "Transport Options for UDP" as a Proposed Standard RFC**
- **Jul 2020** **Submit 'Propagating Explicit Congestion Notification Across IP Tunnel Headers Separated by a Shim as a Proposed Standard RFC**

WG Milestones Review (2)

- **Sep 2020** **Submit “SCTP” (rfc4960bis) as a Proposed Standard RFC**
- **Oct 2020** **Submit "Low Latency, Low Loss, Scalable Throughput (L4S) Internet Service: Architecture" as an Informational RFC**
- **Oct 2020** **Submit "DualQ Coupled AQM for Low Latency, Low Loss and Scalable Throughput" as an Experimental RFC**
- **Oct 2020** **Submit "Identifying Modified Explicit Congestion Notification (ECN) Semantics for Ultra-Low Queuing Delay“ as an Experimental RFC**
- **Dec 2020** **Submit “Tunnel Congestion Feedback” as an Informational RFC**
- **Dec 2020** **Submit “A Non-Queue-Building Per Hop Behavior (NQB PHB) ...” as a Proposed Standard RFC**

Agenda for Tuesday

- 1) Document Status, Charter and Accomplishments
 - WG drafts, Related drafts, Milestones
- 2 & 3) Agenda [\[You are Here\]](#) & Agenda Bashing
- 4) SCTP Drafts
 - Updated SCTP spec (draft-ietf-tsvwg-rfc4960-bis)
 - SCTP NAT support (draft-ietf-tsvwg-natsupp)
- 5) WG Protocol Drafts
 - Non-Queue Building Flows (draft-ietf-tsvwg-nqb)
- 6) Individual Draft
 - NAT for QUIC (draft-duke-quic-natsupp)
 - Brief update

Agenda for Thursday (part 1)

- 5) WG Protocol Drafts (moved from Tuesday)
 - UDP Options (draft-ietf-tsvwg-udp-options)
- 6) Individual Draft (moved from Tuesday)
 - NAT for QUIC (draft-duke-quic-natsupp)
- 7) WG ECN drafts
 - Status recap
 - Drafts update
 - draft-ietf-tsvwg-l4s-arch
 - draft-ietf-tsvwg-ecn-l4s-id
 - draft-ietf-tsvwg-aqm-dualq-coupled
 - Plans for drafts on TCP Prague and L4S Operational Guidance

Agenda for Thursday (part 2)

8) Individual Drafts on Data Centre Congestion Control

- HPCC++: Enhanced High Precision
Congestion Control (draft-pan-tsvwg-hpccplus)
- PFC-Free Low Delay Control Protocol
(draft-dai-tsvwg-pfc-free-congestion-control)
- Follow-up discussion