TSVWG
IETF-110 (virtual)

8th & 10th March 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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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
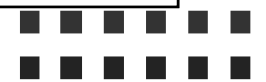
HELP TSVWG!

- 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:
  - Diffserv and Web RTC QoS (RFC 8837)
    - Part of the (in)famous WebRTC cluster 238
    - Includes updates for LE PHB (RFC 8622)

- 1 ID at IESG (after IETF Last Call)
  - Transport Header Confidentiality Impacts

- 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
    - New fragmentation interaction text needed
  - ECN for Tunnels that use Shim Headers
    - New fragmentation interaction text needed
    - Awaiting a Document Shepherd Write up

TSVWG Accomplishments and Status

- Additional Working Group IDs (6)

  1) SCTP (RFC 4960.bis)
  2) L4S Architecture
  3) L4S Identifier (ECN)
  4) L4S AQM (dualq-coupled)
  5) Non-Queue-Building (NQB) PHB
  6) UDP Options

- One ID proposed for WG adoption
  – L4S Operational Guidance

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 – see 6man
  - STUN (NAT Traversal)
    - draft-ietf-tram-stun-pmtud – to be revised after IETF-110
- SCTP
  - UDP Encapsulation
    - draft-tuexen-tsvwg-sctp-udp-encaps-cons
  - Multipath
    - draft-tuexen-tsvwg-sctp-multipath
- Diffserv: DSCP Selection
  - draft-custura-tsvwg-dscp-considerations

TSVWG: Related Drafts

- Endpoint Cong. Control Guidelines
  - draft-fairhurst-tsvwg-cc
- Multipath DCCP
  - draft-amend-tsvwg-multipath-dccp
- Network Layer Multipath
  - draft-lencse-tsvwg-mpt
- Application-aware Networking (APN)
  - draft-peng-apn-scope-gap-analysis
  - On RTGWG (Thu) & INTAREA (Fri) agendas
- Transport Protocols and Satellites
  - draft-jones-tsvwg-transport-for-satellite

TSVWG Agenda

Chairs Agenda Bashing
   NOTE WELL

Monday Agenda
   Document Accomplishments and Status
   Milestones Review
   Drafts

Wednesday Agenda
   More Drafts

WG Milestones Review (1)

- **Oct 2020**   **Submit "Low Latency, Low Loss, Scalable Throughput (L4S) Internet Service: Architecture" as an Informational RFC (Move to Oct 2021 with other L4S drafts)**

- **Nov 2020**   **Submit 'Guidelines for Adding Congestion Notification to Protocols that Encapsulate IP' as a BCP RFC**

- **Nov 2020**   **Submit 'Propagating Explicit Congestion Notification Across IP Tunnel Headers Separated by a Shim as a Proposed Standard RFC**

- **Dec 2020**   **Submit "SCTP" (rfc4960bis) as a Proposed Standard RFC**

WG Milestones Review (2)

- **Feb 2021**   **Submit "Transport Options for UDP" as a Proposed Standard RFC**

- **Feb 2021**   **Submit "A Non-Queue-Building Per Hop Behavior (NQB PHB) ..." as a Proposed Standard RFC Dec 2020**

- **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**

Agenda for Monday (1 of 2)

1. Agenda

2. Chairs Update

3. Announcements and Heads-Up

4. SCTP Drafts

   4.1 Michael Tuexen: bis update to SCTP Spec.

       draft-ietf-tsvwg-rfc4960-bis

   4.2 Magnus Westerlund: bis update to SCTP/DTLS spec

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

5. Transport Working Group Drafts: Protocols

   5.1 Joe Touch (proxy/remote): UDP Options

       draft-ietf-tsvwg-udp-options

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

       draft-ietf-tsvwg-nqb

   5.3 Ana Custura: Measurements for DSCP 0x02 in an IXP

       (related to draft-ietf-tsvwg-nqb, no additional draft)

Agenda for Monday (2 of 2)

6. Other Individual Drafts

    6.1 Robin Marx: Qlog for IETF Transports

        draft-marx-qlog-main-schema

    6.2 Pete Heist: ECN Deployment Observations

        draft-heist-tsvwg-ecn-deployment-observations

Agenda for Wednesday

7. Transport Working Group Drafts: ECN

   7.1 Agenda Recap

   7.2 Greg White: L4S Operational Guidance (WG adoption requested)

     draft-white-tsvwg-l4sops

   7.2 Bob Briscoe: L4S ECN drafts

     draft-ietf-tsvwg-ecn-l4s-id

     draft-ietf-tsvwg-l4s-arch

     draft-ietf-tsvwg-aqm-dualq-coupled

8. All Other Business

   8.1 Ingemar Johansson: L4S in 5G

       (related to draft-ietf-tsvwg-l4s-arch, no additional draft)