TSVWG
IETF-104 (Prague)

25th & 26th March 2019

Gorry Fairhurst
Wes Eddy (remote)
David Black
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.

As a reminder:

By participating in the IETF, you agree to follow IETF processes and policies. If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion. As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public. Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement. As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (https://www.ietf.org/contact/ombudsteam/) if you have questions or concerns about this.

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 a scribe for Jabber session
• Need reviewers for WG drafts

• Future TSVWG Authors:
  PLEASE add “-tsvwg-” to any ID submitted
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

• 1 RFC published since start of IETF 102
  – SCTP (RFC 4960) Errata and Issues (RFC 8540)

• 2 Internet-Drafts (IDs) in RFC Editor Queue:
  – Diffserv Lower Effort PHB
    • Thank you, Roland!
  – DiffServ and Web RTC QoS
    • RFC Ed. State: MISSREF [several WebRTC drafts]
    • Part of the (in)famous WebRTC cluster 238
TSVWG Accomplishments and Status

• 2 IDs at IESG
  – FEC Framework Extension
    • Approved, minor edits needed, then waits for …
  – FEC Sliding Window Random Linear Code
    • Working on rectifying source code copyright: draft-roca-tsvwg-tinymt32

• No IDs with WG chairs & authors after WGLC
TSVWG Accomplishments and Status

• No IDs in WG Last Call

• 2 IDs [still] likely to go to 2nd WG Last Call soon
  - ECN Encapsulation for Lower Layer Protocols
  - ECN for Tunnels that use Shim Headers
  • Above two drafts will be WG Last Called together
  • Looking for a volunteer to shepherd these drafts
TSVWG Accomplishments and Status

• Additional Working Group IDs (9)
  1) SCTP NAT Support
  2) SCTP (RFC 4960bis)
  3) L4S Architecture
  4) L4S Identifier (ECN)
  5) L4S AQM (dualq-coupled)
  6) UDP Options
  7) Tunnel Congestion Feedback (draft expired)
  8) Datagram PL Path MTU Discovery
  9) Transport Header Confidentiality Impacts
TSVWG: Related Drafts

• Transport-related:
  – IPV6 Path MTU Discovery
    • draft-hinden-6man-mtu-option
  – IPv6 Reservation Protocol
    • draft-han-tsvwg-ip-transport-qos
  – L4S and Diffserv
    • draft-briscoe-tsvwg-l4s-diffserv
  – Diffserv to QCI Mapping
    • draft-henry-tsvwg-diffserv-to-qci
  – LOOPS (Localized Optimization of Path Segments)
    • draft-li-tsvwg-loops-problem-opportunities
      (introduced at HotRFC session)
  – Priority Switching Scheduler
    • draft-finzi-priority-switching-scheduler
      (ISE publication will be requested)
TSVWG: Related Drafts (2)

• Transport-related (continued):
  – ECN and NSH
    (Related to Tunnel Congestion Feedback draft)
    • draft-ietf-sfc-nsh-ecn-support
  – Low Latency DOCSIS
    • draft-white-tsvwg-lld-00
  – Loss-Latency Tradeoff for Mobile Networks
    • draft-fossati-tsvwg-lola
• 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
TSVWG: RelatedDrafts (3)

- UDP Options related
  - Checksum Compensation Options for UDP Options
    - draft-fairhurst-udp-options-cco-00.txt
  - UDP Surplus Space Header
    - draft-herbert-udp-space-hdr
TSVWG Agenda

Chairs Agenda Bashing

NOTE WELL

Monday’s Agenda

Document Accomplishments and Status
Milestones Review
Drafts

Tuesday’s Agenda

More Drafts
WG Milestones Review (1)

- Feb 2019  Submit 'Guidelines for Adding Congestion Notification to Protocols that Encapsulate IP' as a BCP RFC
- Feb 2019  Submit 'Propagating Explicit Congestion Notification Across IP Tunnel Headers Separated by a Shim as a Proposed Standard RFC
  (WGLC needs to be repeated, looking for new shepherd)
- Apr 2019  Submit 'SCTP NAT Support' to IESG as a Proposed Standard RFC
- May 2019  Submit "Transport Options for UDP" as a Proposed Standard RFC
- Jun 2019  Submit "Low Latency, Low Loss, Scalable Throughput (L4S) Internet Service: Architecture" as an Informational RFC
- Jun 2019  Submit "DualQ Coupled AQM for Low Latency, Low Loss and Scalable Throughput" as an Experimental RFC
WG Milestones Review (2)

- Aug 2019  Submit 'Packetization Layer Path MTU Discovery for Datagram Transports' as a Proposed Standard RFC
- Sep 2019  Submit “The Impact of Transport Header Confidentiality on Network Operation and Evolution of the Internet” as an Informational RFC
- Dec 2019  Submit “SCTP” (rfc4960bis) as a Proposed Standard RFC
- Apr 2020  Submit “Tunnel Congestion Feedback” as an Informational RFC
Agenda for Monday (part 1)

1) Document Status, Charter and Accomplishments
   - WG drafts, Related drafts, Milestones
2) Agenda Bashing and Hackathon update
3) Transport and Network drafts
   - Transport Header Encryption Impacts
     - draft-ietf-tsvwg-transport-encrypt
   - L4S drafts
     - draft-ietf-tsvwg-l4s-arch
     - draft-ietf-tsvwg-ecn-l4s-id
     - draft-ietf-tsvwg-dualq-coupled
Agenda for Monday (part 2)

4) New Work

- Some Congestion Experienced (ECN)
  - draft-morton-taht-tsvwg-sce
- Non Queue Building Flows
  - draft-white-tsvwg-nqb
- Multipath DCCP (If time permits)
  - draft-amend-tsvwg-multipath-dccp
  - draft-amend-tsvwg-multipath-framework-mpdccp
  - draft-amend-tsvwg-dccp-udp-header-conversion
    (introduced at HotRFC session)
Agenda for Wednesday

5) Transport Protocols and Mechanisms
   - SCTP Drafts
     • draft-ietf-tsvwg-natsupp
     • Plans for rfc4960bis
   - Datagram PL Path MTU Discovery
     • draft-ietf-tsvwg-datagram-plpmtud
   - UDP Options
     • draft-ietf-tsvwg-udp-options
     • draft-fairhurst-udp-options-cco

6) New Work (if time permits)
   - HTTP/2 as a Transport
     • draft-kinnear-httpbis-http2-transport
   - SCTP Retransmit bit
     • draft-proshin-tsvwg-sctp-rtx-bit