TSVAREA @ IETF101

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Agenda - Monday Afternoon Session III

- Administrativa - TSV ADs, 15 minutes
  - Note Well, Blue Sheets, Jabber Scribes, Agenda Bashing
  - TSV Overview and status
  - Related work: draft-gont-6man-address-usage-recommendations

- Experience with TCP encapsulation for IKE - Tommy Pauly, 15 minutes

- Discussion: Using TCP as encapsulating to pass through various middleboxes, 20 minutes
  - Is TCP encapsulation the right approach forward?
  - Do we need to provide further guidance?

- Open Mike - All, 15 minutes
TSV Area Review Team (TSVART) UPDATE

Thank you for serving, and for providing **reviews since IETF 100**

Bernard Aboba
Bob Briscoe
Brian Trammell
Colin Perkins
David Black
Fernando Gont
Allison Mankin

Jana Iyengar
Joe Touch
Jörg Ott
Michael Scharf
Michael Tüxen
Nishida Yoshifumi

Thanks!
These reviews really help

Triage team -
**Wes Eddy, Magnus Westerlund, and Martin Stiemerling**
TSV Working Groups (UPDATE)

See [https://datatracker.ietf.org/group/all-status/](https://datatracker.ietf.org/group/all-status/) for status information!

- **ALTO** (wrapping up final documents)
- **DTN**  BPbis past WGLC, TCP convergence layer in WGLC, BPsec still in progress
- **IPPM** (RFC2330 update for IPv6 in AD Eval, 9 WG drafts revised for IETF 101)
- **MPTCP**
- **NFSv4** (Not meeting at IETF 101)
- **QUIC** (focusing on QUIC core protocol specifications for QUICv1 in November)
- **RMCAT** (Scream published; NADA ready for publication)
- **TAPS** (Rechartered to allow analysis of transport security protocols)
- **TCPINC** (not meeting; closing up: spec in IESG evaluation, API document follows)
- **TCPM**
- **TRAM** (Finishing up final deliverables - STUNbis on next telechat, TURNbis in WGLC)
- **TSVWG** (11 WG drafts updated for IETF 101)
TSV Documents since IETF-100 UPDATE

Approved
draft-ietf-tcpinc-tcpeno-18

RFC Editor Queue
draft-ietf-tsvwg-rtcweb-qos-18
draft-ietf-rmcat-cc-requirements-09
draft-ietf-rmcat-coupled-cc-07

RFCs Published
RFC 8275 (was draft-ietf-nfsv4-umask)
RFC 8276 (was draft-ietf-nfsv4-xattrs)
RFC 8289 (was draft-ietf-aqm-codel)
RFC 8298 (was draft-ietf-rmcat-scream-cc)
RFC 8303 (was draft-ietf-taps-transports-usage)
RFC 8304 (was draft-ietf-taps-transports-usage-udp)
RFC 8311 (was draft-ietf-tsvwg-ecn-experimentation)
RFC 8312 (was draft-ietf-tcpm-cubic)
RFC 8321 (was draft-ietf-ippm-alt-mark)
RFC 8325 (was draft-ietf-tsvwg-ieee-802-11)
RFC 8337 (was draft-ietf-ippm-model-based-metrics)

Status Changes
status-change-ecn-signaling-with-nonces-to-historic-03
This draft is being chatted about in TAPS

TAPS is actively working on topics like "connection racing"

We've been thinking about choosing between paths and between protocols

There's also a "choosing between IP address families" topic that's relevant

Please keep an eye on this if you're interested - the impact is wider than TAPS

Thanks!
Experience with TCP encapsulation for IKE (Tommy Pauly)
Using TCP as encapsulation to pass through various middleboxes (Discussion)
Recently published or work-in-progress

- **RFC 8229**
  - TCP Encapsulation of IKE and IPsec Packets
- **RFC 8323**
  - CoAP (Constrained Application Protocol) over TCP, TLS, and WebSockets
- **Draft-ietf-trill-over-ip**
  - TRILL (Transparent Interconnection of Lots of Links) over IP
- **Draft-xu-mpls-sr-over-ip**
  - SR-MPLS over IP
- **Draft-ietf-httpbis-bcp56bis**
  - On the use of HTTP as a Substrate
- **Draft-ietf-doh-dns-over-https**
  - DNS Queries over HTTPS
Questions for the discussion today

1. Is TCP encapsulation the recommended approach for these deployment issues (mainly middlebox traversal)?

2. And no matter if recommended or not, do we need to provide further guidance to the community on how to do TCP encapsulation and when it is appropriate to use it?
Open Mike

*What does TSV need to know?*