Note Well

Any submission to the IETF intended by the Contributor for publication as all or part of an IETF Internet-Draft or RFC and any statement made within the context of an IETF activity is considered an "IETF Contribution". Such statements include oral statements in IETF sessions, as well as written and electronic communications made at any time or place, which are addressed to:

- The IETF plenary session
- The IESG, or any member thereof on behalf of the IESG
- Any IETF mailing list, including the IETF list itself, any working group or design team list, or any other list functioning under IETF auspices
- Any IETF working group or portion thereof
- Any Birds of a Feather (BOF) session
- The IAB or any member thereof on behalf of the IAB
- The RFC Editor or the Internet-Drafts function

All IETF Contributions are subject to the rules of RFC 5378 and RFC 8179.

Statements made outside of an IETF session, mailing list or other function, that are clearly not intended to be input to an IETF activity, group or function, are not IETF Contributions in the context of this notice. Please consult RFC 5378 and RFC 8179 for details.

A participant in any IETF activity is deemed to accept all IETF rules of process, as documented in Best Current Practices RFCs and IESG Statements.

A participant in any IETF activity acknowledges that written, audio and video records of meetings may be made and may be available to the public.
Agenda - Wednesday Afternoon session II

- **Administrativa - TSV ADs, 15 minutes**
  - Note Well, Blue Sheets, Jabber Scribes, Agenda Bashing
  - TSV Overview and status - ADs
  - TSV AD expertise and reporting/feedback - ADs
  - Related work

- **Adding Multipath TCP to the upstream kernel - Christoph Paasch**
- **Developing and Deploying a TCP Replacement for the Web - Ian Swett**
- **Wire Images, Path Signals, And the (Inter)network ahead - Brian Trammell, Ted Hardie**

- **Open Mike - All, 10 minutes**
Thank you for serving, and for providing reviews since IETF 101

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

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

Thanks! These reviews really help the ADs

We will be recruiting additional reviewers.

If you'd like to help, please tell Mirja and Spencer

Triage team - Wes Eddy, Magnus Westerlund (4), and Martin Stiemerling
TSV Working Groups (UPDATE)

See https://datatracker.ietf.org/group/all-status/ for status information!

- **ALTO** - plan to wrap up current wg docs in the next months
- **DTN** - DTNSec and TCPv4 still underway, Asynchronous Management moves to OPS
- **IPPM** - responsible AD changed to Mirja
- **MPTCP** - wrapping up charter (RFC6824bis)
- **NFSv4** - Multi-server namespace and migration/trunking are biggest work items
- **QUIC** - Lots of things seem to depend on defining CID. That's what they're focused on
- **RMCAT** - one schemes (scream) and coupling published; nada waiting for write-up
- **TAPS** - Architecture, API, and Interfaces for TAPS, plus transport security analysis
- **TCPINC** - new (final?) version publish -> waiting for discuss to be cleared
- **TCPM** - wrapping up some wg items (AccECN, RACK)
- **TRAM** - Resolving Discuss ballots on STUNbis, TURNbis in WGLC, Finishing up
- **TSVWG** - lots of DSCP/ECN work, revising/advancing SCTP, finishing up FECFRAME
TSV Documents since IETF-101 UPDATE

Approved

draft-ietf-tcpinc-tcpeno-19

RFCs Published

RFC 8337 (was draft-ietf-ippm-model-based-metrics)
RFC 8382 (was draft-ietf-rmcat-sbd)

RFC Editor Queue

draft-ietf-ippm-2330-ipv6-06
draft-ietf-ippm-twamp-yang-13
draft-ietf-nfsv4-flex-files-19
draft-ietf-nfsv4-layout-types-13
draft-ietf-tsvwg-iana-dscp-registry-08
Related work: App-level NETCONF keepalives

- BBF relied on NETCONF server using TLS keepalive mechanism (RFC 6520)
  - Post-Heartbleed TLS stacks are removing support for RFC 6520 (example: OpenSSL)
  - Use TCP Keepalives? SEC ADs not happy about plaintext mechanism for keepalives
  - TSV ADs not happy about encouraging use of transport-only keepalives for several reasons

- Proposals for NETCONF
  - TLS says removing RFC 6520 support is an overreaction to Heartbleed? Good luck with that
  - Tell NETCONF they need to do application-level keepalives anyway - that's what matters?

- More broadly - provide IETF consensus guidance about this?
  - RECOMMEND against using plaintext keepalive mechanisms for secure transport sessions
  - RECOMMEND using application-level keepalive mechanisms to actually test liveness

- Thread started on TSVAREA with subject "statement regarding keepalives"
  - TSV ADs appreciate input while we figure out whether to provide broader guidance

**Thanks!**
Related work: draft-jarvinen-core-fasor

This draft proposes a three-part congestion control algorithm for CORE


Assertions:

- There are problems with both default CoAP and CoCoA in some use cases
- In those use cases, congestion can occur, without sufficient backoff to recover
- Measuring unambiguous RTT is an important step to solving those problems

Actual discussion is scheduled for ICCRG, Thursday Afternoon session I, in Viger

Thanks!
TSV AD expertise

Spencer is still the "outgoing Transport AD", his third term ends in March 2019.

We've been working since 2013 to make the job "doable".

What we told Nomcom is here. Please nominate freely and give lots of feedback on willing nominees. It matters!

If you have any questions about the position, please ask! You can ask here/now, or Mirja in the hallways, or ask us on the TSVAREA list, or in private e-mail.

Thanks!
TSV AD reporting/feedback

- Currently both TSV ADs spend about 15-20 hours per week
  - Most of the time with reviews in IESG evaluation
    - Maximum of 400 pages per telechat (every two weeks), so about 10-20 drafts
    - Short to medium drafts (10-25 pages) take about 30 mins to 1h to review
      - ... if there is no issue that requires to spell out a discuss
  - Load from working groups is rather low
    - Current 12 tsv working groups (6 per AD)
    - Last year about 25 published RFC in TSV (however, mayn nfsv4 RFCs...)
    - Some steering at the side but not much conflict resolution :-)
  - There are a bunch of additional, mostly process related things the IESG cares about
    - These are often driven a one or a small set of IESG members and depends a bit on people’s interest
    - TSV is responsible for port registry
      - There are many requests that are fully handled by the expert review team but something there is a question for the ADs (which can be tricky)
"How hard can it be?"
Adding Multipath TCP
to the upstream kernel

(Christoph Paasch)
Developing and Deploying a TCP Replacement for the Web

(Ian Swett)
Wire Images, Path Signals, And the (Inter)network ahead

(Brian Trammell, Ted Hardie)
Open Mike

*What does TSV need to know?*