

TSVAREA @ IETF-92



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Agenda for Monday

- Administrativa (5 minutes)
- Transport Area and NOMCOM (10 minutes)
- Report from the IAB SEMI workshop (20 minutes)
- Introduction to the SPUD BOF (10 minutes)
- Introduction to HOPS (10 minutes)
- DSCPs and Browsers (20 minutes)
- Heads-up about area discussions with respect to TSV (10 minutes)

Agenda for Friday

- 2. Session: Friday Afternoon Session I
1150-1320 CDT
in Room Venetian
- Administrativa (5 minutes)
- Summary of the SPUD BOF (10 minutes)
- Area re-organization and Transport (45 minutes)

TSV area and NOMCOM

- **Spencer re-appointed as TSV AD**
- **Desired Expertise about TSV ADs to be sent to the NOMCOM soon**
- **Community input always appreciated**

**Report from the IAB SEMI
workshop
&
Introduction to the SPUD BOF**

Introduction to HOPS

DSCPs and Browsers

Heads-up about area discussions with respect to TSV

- Large time slot in Friday's TSVAREA session to
 - get input from TSV community on reorganization
 - especially ideas for TSV
- See also:
 - <http://www.ietf.org/mail-archive/web/ietf/current/msg91370.html>
 - http://mailarchive.ietf.org/arch/msg/ietf-announce/96s9sDWeqxMw3O7FV_QGIIjFZ_4

Potential discussion points

- Reduced AD time commitment
- Number of ADs per area
- Future structure of the TSV area

TSVAREA on Friday

Summary of the SPUD BOF

- Non-WG forming BOF
 - approx. 200 people in the room
 - outcome of the IAB SEMI workshop
 - related to the IAB stack evolution program
- Good interest of the community in this
- Thoughts:
 - many other X over UDP -- coordination needed
 - prototype for now (code on github)
 - Application to Path (A2P)
 - Path to Application (P2A)
 - more aspects to explore further
 - architectural questions (e.g., do we expose app information to network)

Area re-organization and Transport

IESG Restructuring (Jari's slides)

- Match IETF structure to current topics
- Support growth in emerging topic areas
 - Including various open source efforts
- Match management resources to workload
- Provide better flexibility

Decisions

- Flexible assignment of ADs to WGs (tools)
- **Flexible definition of areas (RFC 7475)**
- Additional focus on data models work, routing area
- Area-reorganisation for APP/RAI
 - down to 3 ADs from 4
 - creating the ART area (in progress)
- Various WG moves between ADs and areas

Longer-Term Steps

- Looking at reduction of IESG tasks/workload
- **Further re-organisation in the TSV area, with the goal of forming the ADs roles to ones that fit well potential candidate pools**
- Once there are early ideas, we will bring them to the community
- Remember that IESG organisation is just organisation — the important things in the IETF are what the participants do

Discussion Points

- Get the leadership TSV deserves
- Asking for 3rd TSV AD
 - in this NOMCOM cycle
 - aiming at reducing/keeping 50 % time commitment
- Introduced the TSV Triage
 - Allison Mankin and Wes Eddy
 - Checking drafts coming in IETF LC for TSV issues
 - offloading reviews to TSV directorate
 - contact point for other areas
- Anything else?

Desired Expertise for Transport Area Directors

“Yes, this is your eye test.
No, there is no charge.”

* Transport AD **

The Transport Area Directors are more than managers, but the “soft skills” included under “Generic Expertise” for all IESG positions matters even more in TSV, because of the breadth of topics the area is responsible for.

There are a number of points that matter for the Transport Area Director position, in addition to the “Generic Expertise”.

The Transport Area works on mechanisms related to end-to-end data transport as well as technologies for network storage, content distribution networks, and peer-to-peer applications. Many transport protocols support Internet applications and services that exchange potentially large volumes of traffic at potentially high bandwidths.

A Transport AD should have a broad understanding of core end-to-end transport topics such as congestion, control loops and hysteresis, flow control, queuing and latency, transport connection and reliability issues, and interactions with the network layer, the application layer, and middleboxes. Transport ADs are not expected to be experts on all or even most of these topics, but rather to work well with the Transport Area participants who are, and to have enough familiarity with the principles involved to exercise their own good judgment about what should be done and why.

A Transport AD should have good relationships with the topic experts in the Transport area, including members of the Transport Area Directorate and RSVP Directorate, and with topic experts in other areas, and this requires good soft skills, including the ability to maintain these directorates.

Together, the two Transport ADs are expected to understand how transport technologies (layer 4) interact with IP layer technologies and protocols (layer 3) technologies, and with the end-to-end aspects of various applications and application-layer protocols (layer 7).

Together, the two Transport ADs are expected to effectively charter, manage and review current and new transport work, including congestion signaling and reporting, QoS and reservation signaling, DiffServ and congestion control for unresponsive flows, NAT regularization and specification, storage protocols for the Internet, peer-to-peer streaming, performance metrics for Internet paths, experimentation with congestion control schemes developed in the IRTF, unicast and multipath extensions to existing transport protocols, and congestion control algorithms for interactive real time media.

The Transport Area intersects most frequently with Internet Area, the Applications Area, the RAI Area, the Security Area, and Transport-related IRTF research groups, especially ICCRG. Cross-area experience in any of those Areas would be particularly useful.

Because many Transport working groups have strong ties to the research community, some research background can be very helpful.