

# TRAM Working Group

IETF 94, Yokohama  
2015-11-04

Gonzalo Camarillo <gonzalo.camarillo@ericsson.com>  
Simon Perreault <sperreault@jive.com>

# 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 3979](#) (updated by [RFC 4879](#)).

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 3979](#) 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.

# Logistics

- Minute taker
- Jabber scribe
  - xmpp:tram@jabber.ietf.org
- Meeting materials (slides, agendas, etc.)
  - <http://tools.ietf.org/wg/tram/agenda>
- Mailing list
  - <mailto:tram@ietf.org>
  - <https://www.ietf.org/mailman/listinfo/tram>

# Agenda

TRAM - TURN Revised and Modernized

IETF 94, Yokohama  
Wednesday, November 4, 2015

Administrativa  
=====

09:00 - Chairs' update  
Duration: 10 min

Working-group drafts  
=====

09:10 - TURN Server Auto Discovery  
draft-ietf-tram-turn-server-discovery-05  
Presenter: Prashanth Patil  
Duration: 10 minutes

09:20 - An Origin Attribute for the STUN Protocol  
draft-ietf-tram-stun-origin-06  
Presenter: Alan Johnston  
Duration: 15 minutes

Extracurricular work

=====

09:35 - Metadata discovery for third party authorized  
TURN session

draft-reddy-tram-token-metadata-01  
Presenter: Brandon Williams  
Duration: 15 minutes

09:50 - Ufrag Permissions for TURN  
draft-williams-tram-ufrag-permission-00  
Presenter: Brandon Williams  
Duration: 15 minutes

10:05 - Peer-specific Redirection for TURN  
draft-williams-peer-redirect-01  
Presenter: Brandon Williams  
Duration: 10 minutes

10:15 - EOF

# New charter

The goal of the TRAM Working Group is to consolidate the various initiatives to update TURN and STUN to make them more suitable for NAT traversal in a **variety of environments**, whether for realtime media establishment protocols such as the **Offer-Answer Session Description Protocol (RFC 3264)**, **XMPP (XEP-0176)**, **RTSP (draft-ietf-mmusic-rtsp-nat)**, and **RTCWeb (draft-ietf-rtcweb-jsep)**, or for non-realtime protocols such as **HIP (RFC 5770)** and **RELOAD (RFC 6940)**. The work will include authentication mechanisms, a **path MTU discovery mechanism**, an **IP address mobility solution for TURN**, and extensions to TURN and STUN. The Working Group will closely coordinate with the appropriate Working Groups, including ICE, RTCWEB, MMUSIC, and HTTPBIS.

# Milestones

Date	Milestone
Jul 2016	Submit TURN IP address mobility draft to IESG
Mar 2016	Submit TURN PMTUD draft to IESG
Mar 2016	Send new authentication mechanism(s) to IESG for publication as Proposed Standard <a href="#">draft-ietf-tram-stun-origin</a> <a href="#">draft-ietf-tram-turn-third-party-authz</a>
Jan 2016	Send TURN-bis draft to IESG for publication as Proposed Standard <a href="#">draft-ietf-tram-turnbis</a>
Jan 2016	Send STUN-bis draft to IESG for publication as Proposed Standard
Nov 2015	Adopt TURN IP address mobility draft
Nov 2015	Adopt TURN PMTUD draft
Nov 2015	Send path characteristic measurement mechanism to IESG for publication as Proposed Standard <a href="#">draft-reddy-tram-stun-path-data</a>
Nov 2015	Send new TURN server discovery mechanism for enterprises and ISPs to IESG for publication as Proposed Standard <a href="#">draft-ietf-tram-turn-server-discovery</a>

# State of the TRAM

- draft-ietf-tram-stun-origin-05 → 06
  - Updated in response to IESG evaluation.
- draft-ietf-tram-stun-path-data-01 → 02
  - WGLC done, updated, ready for IESG.
- draft-ietf-tram-turn-server-discovery-03 → 05
  - WGLC done, updated, ready for IESG.
- draft-ietf-tram-stunbis-04
  - Done?
- draft-ietf-tram-turnbis-05 → 07
  - Done?

# Adopting new work

- draft-petithuguenin-tram-stun-pmtud-01
  - New name: draft-ietf-tram-stun-pmtud
- draft-wing-tram-turn-mobility-03
  - New name: draft-ietf-tram-turn-mobility