

# BEHAVE Working Group

IETF 73 – Minneapolis  
November 16-21, 2008

Session 1, Wednesday: 09:00-10:15

Session 2, Thursday: 09:00-11:30

Session 3, Friday: 13:00-15:15

Chairs:

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# Session 1, Wednesday

WEDNESDAY, 09:00-10:15

- 9:00 Note takers, agenda, new charter, milestones (Chairs, 10)
- 9:10 TURN (Jonathan Rosenberg, 30)  
draft-ietf-behave-turn
- 9:40 TURN-TCP (Jonathan Rosenberg, 20)  
draft-ietf-behave-turn-tcp
- 10:00 SCTP (Michael Tuexen, 15)  
draft-ietf-behave-sctpnat
- 10:15 end

# Session 2, Thursday

- 9:00 Agenda, note takers (Chairs, 5)
- 9:05 Framework (Fred Baker, 25)  
draft-baker-behave-v4v6-framework
- 9:30 IP/ICMP Translation Algorithm (Fred Baker, 25)  
draft-baker-behave-v4v6-translation
- 9:55 NAT64 (Marcelo Bagnulo, 25)  
draft-bagnulo-behave-nat64
- 10:20 DNS64 (Marcelo Bagnulo, 20)  
draft-bagnulo-behave-dns64
- 10:40 Large Scale NATs, NAT444 (Akira Nakagawa, 10)  
draft-nishitani-cgn  
draft-shirasaki-nat444-isp-shared-addr
- 10:50 Port Range (Gabor Bajko, Randy Bush, Remi Despres,  
Pierre Levis, Olaf Maennel, Teemu Savolainen, 40)  
draft-ymbk-aplusp  
draft-bajko-v6ops-port-restricted-ipaddr-assign  
draft-boucadair-port-range  
draft-despres-sam  
draft-boucadair-dhc-port-range
- 11:30 end BEHAVE – IETF 73

# Session 3, Friday

- 13:00 Agenda, note takers (Chair, 5)
- 13:05 UDP Path MTU Discovery using STUN (Marc Petit-Huguenin, 15)  
draft-petithuguenin-behave-stun-pmtud
- 13:20 NAT security implications (Fernando Gont, 15)  
draft-gont-behave-nat-security
- 13:35 NAT66 (Margaret Wasserman, 40)  
draft-mrw-behave-nat66
- 14:15 Virtual IPv6 Connectivity for (Alain Durand or Christian Vogt, 25)  
IPv4-only networks  
draft-vogt-durand-virtual-ip6-connectivity
- 14:40 IPv6 destination header option (Remi Denis-Courmont, 15)  
draft-denis-behave-v4v6exthdr
- 14:55 On-demand privacy protection (Remi Despres, 10)  
draft-despres-sam, section 3.6
- 15:05 end

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# Updated BEHAVE Charter

1. An IPv6 network to IPv4 Internet
  2. IPv6 Internet to an IPv4 network
  3. An IPv4 network to IPv6 Internet
  4. IPv4 Internet to an IPv6 network
- January 2009 to set priority
  - March 2009 to choose specific documents

# Existing Milestones

- December 2008
  - SCTP (on track)
  - TURN (on track; date slipped)
- Mar 2009:
  - TURN-TCP
  - TURN-v6 (in WGLC)

# Working Group Document Status

- IESG Processing:
  - behavior-discovery (details in a few slides)
  - stun-test-vectors
  - dccp
  - nat-icmp (wrapping up DISCUSS)
- WGLC:
  - TURN, TURN-v6
- To adopt as WG document:
  - draft-petithuguenin-behave-turn-uri-03



# draft-ietf-behave-nat-behavior-discovery-05

- Changes based on comments received on WGLC from -04
- added new text on importance of source port selection and provided guidance for selecting source port
  - More changes in -06
- limited start rate of tests (10/second)
- added SRV entry and updated IANA registry
  - More changes in -06
- PADDING length set to first-hop MTU
- Numerous other clarifications

# IETF Interim -- Malta



- Malta, January 20-22
- 2 days, BEHAVE + SOFTWARE
- Show of hands for attendance, remote

<http://trac.tools.ietf.org/2009/jan-large-interim/>



# Port Range – Document Overview

	draft-ymbk-	draft-bajko-	draft-boucadair-
<b>requirements</b>	aplusp	-	-
<b>translation function</b>	aplusp	v6ops-port-restricted-ipaddr	port-range
<b>routing function</b>	aplusp	v6ops-port-restricted-ipaddr	port-range
<b>learning</b>	-	v6ops-port-restricted-ipaddr	dhc-port-range