



Mobile IPv6

IETF56

Connectathon 2003
Interoperability Testing Report

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Connectathon 2003 (March 2 – 6)

Implementation/Test Participants

Cisco

HP-True64

HP-UX

University Of Helsinki

KEIO University

NEC

Nokia

Samsung

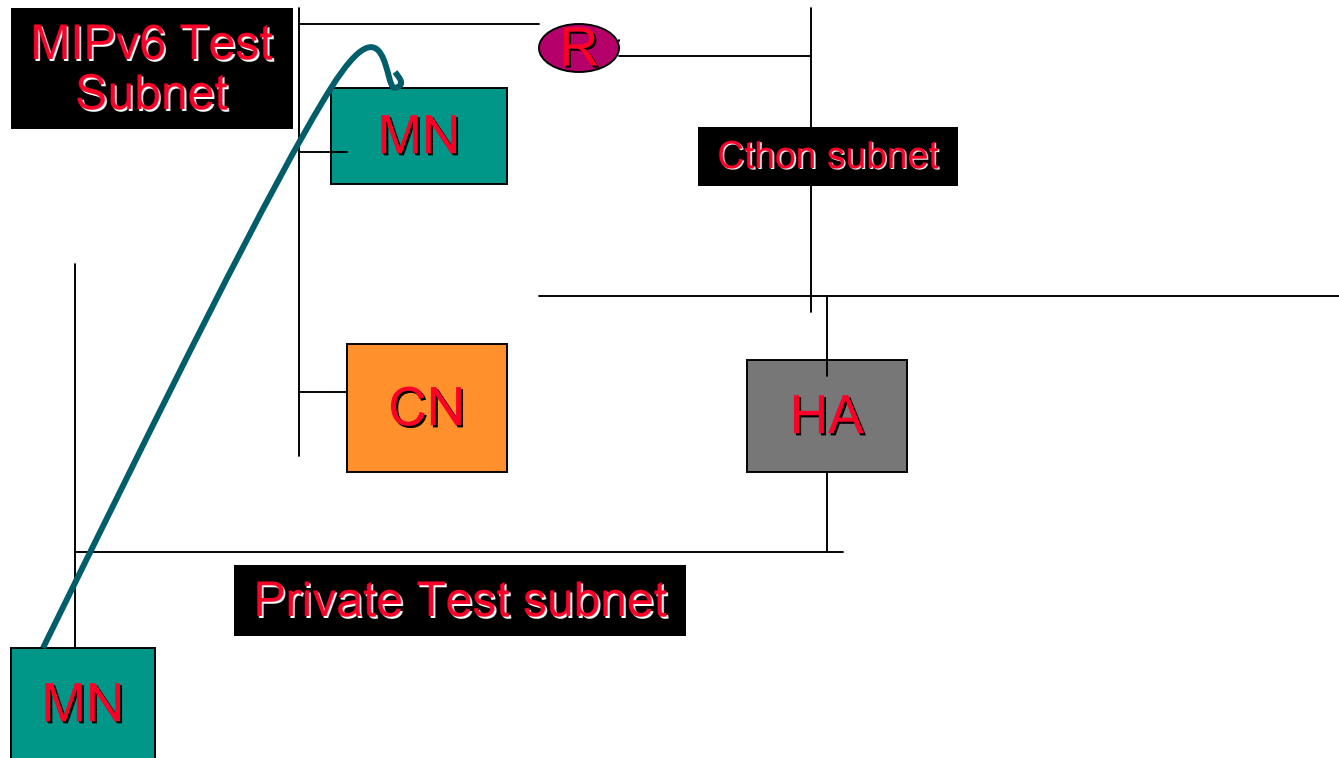
Network Associates(Analyzer)

TAHI (Conformance Tests for ID-20 and ID-19)

UNH (Interoperability Tests)

Sun (Technology Co-ordination)

Connectathon ad-hoc testing topology



Each booth had 3 drops

Connectathon2003: Implementations

HA 7 implementations

CN 7 implementations

MN 6 implementations

1 MIPv6 Network Analyzer implementation

More breakdown on a particular implementation functionality:

HA-CN-MN 3

HA-CN 2

MN-CN 3 (ALL MNs performed Route Optimization)

HA (only) 2

Connectathon2003: Drafts

All implementations supported

Draft-ietf-mobileip-ipv6-20.txt

(TAHI Conformance and UNH Interoperability Tests
were performed on them)

2 implementations supported :

draft-ietf-mobileip-mipv6-ha-ipsec draft

(No TAHI conformance or UNH Interoperability tests
were performed on HA-MN IPSec features)

Connectathon2003: MIPv6 Internet Testing

The Connectathon Consensus ☺

- **MIPv6 Internet Testing would be beneficial between major interop events**
- **A mailing alias would be set up for further discussion on this topic**
- **Presentation on this topic and other MIPv6 talks are found at <http://www.connectathon.org>**

Spec Issues

No Major Issues

Issues have been posted and discussed on the mobileip alias

1. Section 11.5.4 should clarify that MN should respond to HA's NS as a result of de-registration BU from MN to HA
2. MN movement detection may fail if the implementation uses only NUD for default router address or only Prefix information from RA
3. Draft should clarify that HOTI/COTI/BU MUST not include RH and use home-address as dst when doing RO between two MNs
4. Should a CN send BE to MN when it receives BU with H bit ?
5. Section 9.5.1 : Is the value 32784 correct ?

Spec Issues

6. Should the spec specify that HA MUST not respond to a NS with src=HOA while it's defending that HOA ?
7. CN should always send ICMPv6 or BE messages to source address of the incoming packet without BCE lookup (clarification only)
8. Can HA be CN for the same mobile node ? i.e. Should a HA/CN node ignore a BU (H bit on) while it's serving as a CN for the particular MN ?

Special Thanks to TAHI and UNH Test groups