Plans for RFC5206bis
End-host mobility and multihoming

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RFC5206 scope

• In scope:
  - Messaging and elements of procedure for HIP mobility
  - LOCATOR parameter

• Out of scope:
  - NAT traversal
  - Detailed procedures for end-host multihoming
  - initial reachability of a mobile host
  - location privacy
  - simultaneous mobility of both hosts
  - localized mobility management
  - mobile routers
  - transport triggers
  - cross-family handovers
Developments since RFC5206

1) NAT traversal draft (RFC-to-be):

2) mobility management aspects of NAT traversal:
   http://tools.ietf.org/html/draft-melen-hip-nat-mm-00

3) cross-family handovers

4) shim6 has published RFC 5334 (failure detection and locator pair exploration)

5) Mobile router draft
Roadmap

• Keep current scope largely intact
• Leave NAT traversal and multihoming for “HIP Part 2” work
• Add some mobility features for robustness; e.g.
  - cross-family handover
  - double-jump mobility
Roadmap (cont.)

• Implementation experience: Changes to align with NAT traversal and simplify specs
  - Anticipate future NAT traversal extensions
  - Consider to reduce some options that may add complexity

• Editorial: Document organization and nomenclature can be improved
  - Many suggestions recently received, to be discussed on the list