DHAAD for MIP6

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Feature in brief

- MIP6 (RFC3775) specifies the dynamic Home Agent Discovery feature which enables an MN to discover HAs in its home network
- DHAAD requires HAs on the home link to maintain a list of all HAs on that link
- MN can obtain the list of HAs by sending an ICMP HA Address Discovery request to the anycast address of its home IP subnet

Issue

- DHAAD assumes that the MN knows its home subnet prefix in order to send the ICMP request to the anycast address
  - MN being aware of the home prefix is generally not the case
- Bootstrapping via IKEv2 and DHCP have been developed
- Security concerns with the use of ICMP for HA discovery exist

What to do with DHAAD?

- Is DHAAD useful and needed for MIP6?
  - Not really, especially given the alternate solutions for HA and HoA discovery
- Deprecate DHAAD
  - Drop it from RFC3775bis
- Alternatively, specify DHAAD separately because of some perceived need for the feature