Homenet Babel Profile
draft-ietf-homenet-babel-profile-02

17 July 2017
Draft-ieta-homenet-babel-profile-02

Draft-ieta-homenet-babel-profile has two parts:

1. mandated parameters for Babel in Homenet
   e.g. use metric 96 for a GbE link;
   e.g. MUST IPv6, SHOULD IPv4.

2. interactions between HNCP and Babel
   e.g. if you announce an ext. IPv6 prefix over HNCP
   then you announce a source-specific default route
   over Babel.
This draft is **almost ready**, just **two issues:**

- refers to **old version of source-specific routing**
  cf. Matthieu’s talk;
- **security requirements.**
-02 said the following:

REQ5: a Homenet implementation of Babel MUST implement HMAC-based authentication [...] and MUST enable and require authentication when instructed to do so by HNCP.

This requires defining a new sub-protocol in HNCP which is out-of-scope for this document.

In Chicago, I asked for this requirement to be removed and defer security to a different document.
-02 said the following:

REQ5: a Homenet implementation of Babel MUST implement HMAC-based authentication [...] and MUST enable and require authentication when instructed to do so by HNCP.

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In Chicago, I asked for this requirement to be removed and defer security to a different document.

The chairs created a committee.

The committee didn’t do any protocol work.
Changes in -03

- Removed REQ5;
- added Security Considerations:

The security of a Homenet network relies on having a set of trusted "internal" links that are secured at a lower layer [...] If untrusted links are used for transit, which is NOT RECOMMENDED [...] then HNCP and Babel MUST be secured using an upper-layer security protocol [...] at the time of writing no protocol for autonomous configuration of HNCP and Babel security has been defined.
Last Call?

My proposal:
- **update** with the **new reference to source-specific routing** as soon as it is adopted by the Babel WG;
- **review** Security Considerations;
- **Last Call.**