LISP EID Anonymity
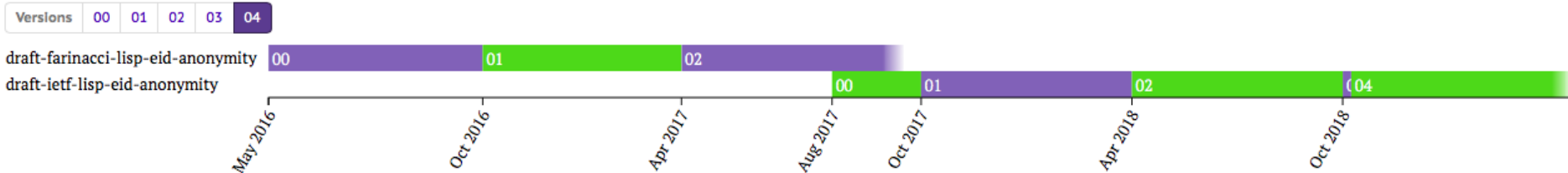
Draft-ietf-lisp-eid-anonymity-04

LISP WG IETF 103 Bangkok
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Document Status

Appendix B. Document Change Log

   [RFC Editor: Please delete this section on publication as RFC.]

B.1. Changes to draft-ietf-lisp-eid-anonymity-04

   o Posted October 2018 before Bangkok IETF deadline.

   o Made Padma requested changes to refer to ephemeral-EIDs allowed to
      have many on one interface and can be registered with more than 1
      RLOC but one RLOC-set.

B.2. Changes to draft-ietf-lisp-eid-anonymity-03

   o Posted October 2018.

   o Update document timer and references.

Problem Statement

- Making EIDs
  - Private
  - Not trackable
- Without enforcing more encryption
- Useful in mobility use cases when the locator (visible) is also changing

Solution

- Hide in a crowd or rather in a pool of addresses
- Ephemeral EIDs are IP addresses
  ◦ A recycled random number within a specified range
  ◦ Crypto hash may be used for generating the EID
- Source creates one or more ephemeral EIDs and start using them.
- May create several ephemeral EIDs on a same interface
- May use one of them for each session with peers
- Ephemeral EID have a limited life and may be one time only before recycling

LISP base Protocol changes

- None. Relies on existing mechanisms for registration and deregistration in MS.
- Reservation of a range for the pool
- Collision avoidance recommendations

Next Steps

- Last call
- Questions/comments?