

IPv6 Mesh over Bluetooth(R) Low Energy using IPSP

draft-ietf-6lo-blemesh-09

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Status (I/II)

- Pre-IESG reviews on -08:
 - RTGDIR
 - Acee Lindem
 - IOTDIR
 - Dominique Barthel
 - GENART
 - Pete Resnick
 - SECDIR
 - Catherine Meadows
- Produced -09 to address the comments (thanks!)

Status (II/II)

- Rev -09 has been reviewed by the IESG
 - 2 DISCUSSEs
 - Martin Duke
 - Benjamin Kaduk
 - COMMENTs
 - Benjamin Kaduk
 - Martin Vigoureux
 - Robert Wilton



Martin Duke's DISCUSS

- Section 3.1. Protocol stack
 - “... this specification allows using different MTUs in different links...”
 - If same MTU needed in all links, new link with smaller MTU might lead to network-wide MTU renegotiation cascade
 - Bad property...
- Authors' proposal (for -10):
 - “The MTU size in IPv6 mesh over Bluetooth LE is 1280 bytes”

Benjamin Kaduk's DISCUSS

- Section 3.3.2. Neighbor Discovery
 - “As per RFC 8505, a 6LN MUST NOT register its link-local address”
 - We missed adding “with the 6LBR” at the end...
 - Anyway, registering the 6LN's LLA with a 6LR would be redundant over BLE link-layer connections
- Authors' proposal (for -10)
 - Explain that EDAR/EDAC between 6LR/6LBR not needed
 - "By this specification, a 6LN MUST NOT register its link-local address, as the 6LR already ensures link-local address uniqueness as part of Bluetooth LE connection establishment procedures."

Benjamin Kaduk's COMMENTS (I/II)

- Section 3.3.2. Neighbor Discovery
 - “A Bluetooth LE 6LN SHOULD register its non-link-local addresses...”
 - List of consequences of not registering non-LLAs?
 - Examples of short-lived connections?
- Authors' proposal (for -10)
 - Main consequences already in the text:
 - 6LN unreachability, and no DAD
 - Examples: sending sensor readings, event detection...
 - Infrequent transmission of packets, no response expected

Benjamin Kaduk's COMMENTS (II/II)

- Section 3.3.3. Header compression
 - An RA MAY include a 6CO
 - Was a MUST in RFC 7668
 - Not needed when context pre-provisioned, via out-of-band means...
 - Would then the in-band context indication be superfluous?
- Authors' proposal (for -10)
 - Explicitly state so

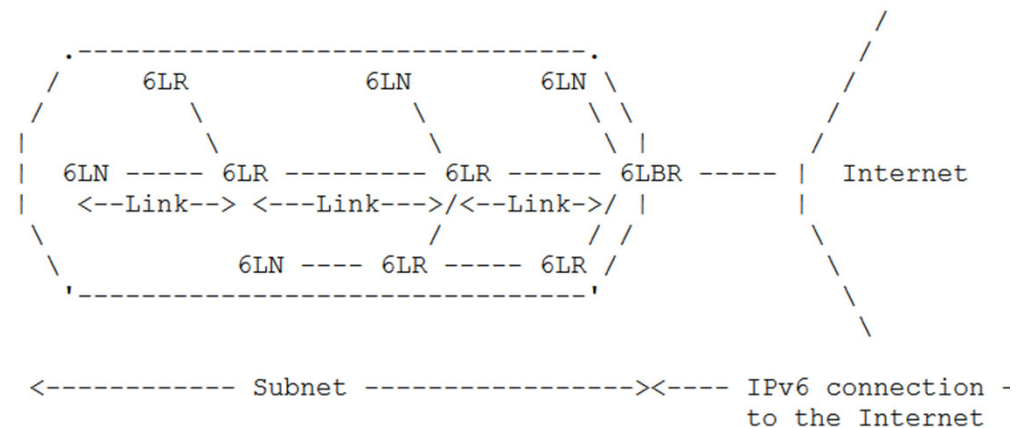
Other COMMENTS

- Martin Vigoureux
 - Requirements language
 - RFC 2119 text shown, update to RFC 8174
 - That is, add “NOT RECOMMENDED”

- Robert Wilton

- Fig. 2:

- Remove subnet bubble
 - Top left node: a 6LR?



Questions/Comments ?

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