

# Recommendation for Prefix Binding in the Softwire DS-Lite Context: An Update

**draft-vinapamula-softwire-dslite-prefix-binding**

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# Reminder

- This short document provides a set of recommendations aiming to:
  - Enhance the serviceability of DS-Lite
  - Ease AFTR resources management
  - Enforce generic per-subscriber polices without requiring explicit configuration of every CPE IPv6 prefix to the AFTR, nor any additional interfaces (e.g., RADIUS)

# Changes since Last IETF

- Ian (Farrer) rightfully raised this point during the last IETF meeting
  - *“The current (DS-Lite) mechanism for creating AFTR state table entries and allocating resource based on unique B4 /128 address is a DOS attack waiting to happen, as it would be trivial for an single home network to iterate through legitimate v6 B4 addresses sending connection requests and getting AFTR resources allocated until none remain.”*
  - This is indeed one of the motivations for this draft.
- The document has been updated to call out this issue in the “Problem to be Solved” section
- Ian is OK with the changes (Many thanks to him)

# Next Step

- This version addresses the comments we received so far
- This is a missing piece work with deployment needs (e.g., Orange Poland)
- Request adoption