

# The IPv6 Backbone Router

proxy ND operation for wireless access

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# What are the 6LoWPAN ND extensions?

Provide for draft-thubert-6lo-rfc6775-update-reqs

- [draft-ietf-6lo-rfc6775-update](#)
  - Simplifies the protocol (no DAR/DAC for LL, no secondary NC)
  - Enables proxy registration
- [draft-ietf-6lo-ap-nd](#)
  - Protects addresses against theft (Crypto ID in registration)
- [draft-ietf-6lo-backbone-router](#)
  - Federates 6lo meshes over a high speed backbone
  - ND proxy that mimics 802.11 association but at Layer 3

# Backbone Router draft

- 04 published July 17, 2017
- Implementation exists.
- Demonstrated at previous 6TiSCH/6lo ETSI Plugtest
- Could use more implementations / interop
- Could use reviews from IEEE experts
- Yet appears ready for WGLC.