

Updating 6LoWPAN ND

draft-thubert-6lo-rfc6775-update

P.Thubert, E. Nordmark, S. Chakrabarti

IETF 96

Berlin

What's new with 6LoWPAN ND?

Update-00 published Nov 5th 2015 (as personal)

Extracted text from Backbone router draft

- Text that really updates RFC 6775 separated

Waiting for adoption to remove text from 6BBR

Solves draft-thubert-6lo-rfc6775-update-reqs

- But security issues

6BBR vs. RFC 6775 update

Extended ARO option moved in rfc6775_update

Add TID field to support registration mobility

Same as efficient ND

Proxy registration enabled by rfc6775_update

6LBR may register on behalf of 6LN in mesh environment

Registering the target as opposed to source address

What's new with 6LoWPAN ND?

Details a link model

Link Local is point to point

- can be validated (DAD) by 6LR directly
- No need to go to 6LBR

Global addresses are unique

- Validated by 6LBR (DAR / DAC)
- 6LBR (s) maintain subnet wide DAD
- Multiple 6LBR coordination by backbone router