Updating 6LoWPAN ND
draft-thubert-6lo-rfc6775-update

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What's new with 6LoWPAN ND?

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Extracted text from Backbone router draft
  \begin{itemize}
    \item Text that really updates RFC 6775 separated
  \end{itemize}

Waiting for adoption to remove text from 6BBR

Solves draft-thubert-6lo-rfc6775-update-reqs
  \begin{itemize}
    \item But security issues
  \end{itemize}
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