

NHDP Optimization

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Brief History

draft-dearlove-manet-nhdp-optimization-00 (February 2014):

- Presented at London (IETF 89).

draft-dearlove-manet-nhdp-optimization-01 (July 2014):

- Editorial, MIB considerations added (see next slide)

draft-ietf-manet-nhdp-optimization-00 (July 2014):

- As per tradition, exactly identical to draft-dearlove-manet-nhdp-optimization-01

What Is This?

- Presented in IETF89, tutorial slide here, (page 18-24)
<http://www.ietf.org/proceedings/89/slides/slides-89-manet-7.pdf>
- A Brief Reminder, though:
 - Small, optimization to NHDP.
 - Multiple implementations, observed to be useful.
 - Code-footprint minimal
 - Retain 2-hop information when a 1-hop link is considered "lost" due to low link quality.
 - Allows immediate re-use of 2-hop link when 1-hop link-quality goes back above threshold.
 - Retains interoperability with non-optimized NHDP implementations.
 - No inconveniences, security issues, etc.

What Is New in

draft-dearlove-manet-nhdp-optimization-01 / draft-ietf-manet-nhdp-optimization-00?

- Expanded introductory material.
- Obviously, changed references to OLSRv2 be to RFC7181 ;)
- Various other nits and bits and editorials.
- New chunk of text: MIB considerations:
 - Essentially, adding (to State Group, Notifications Group) of NHDP-MIB [RFC6779] N2_lost.

Next Steps

- Need to understand how to properly update the NHDP MIB Module.
 - Had a quick chat with Adrian (RTG-AD) - seems to require re-spin of the NHDP-MIB, with version increment.
 - Will be working this out this week (w/Ulrich Herberg) - possible outcome, draft-ietf-manet-rfc6779bis.
 - Expect some mailing-list chatter in the days to come, on this.
- More WG reviews needed - that means **YOU!**
- Slim Document and small update to NHDP-MIB
 - Goal: having this/these documents with the RFC Editor before Hawaii.
 - Therefore, will be asking the chairs to issue a WGLC soon.

