Transmission of IPv6 Packets over IEEE 802.11 Networks operating in mode
Outside the Context of a Basic Service Set
(IPv6-over-80211-OCB)

draft-ietf-ipwave-ipv6-over-80211ocb-30.txt

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Contents

- Changes since Montréal:
  - The draft is updated with all recent comments since last IETF
  - Including comments from 6man WG,
  - From Erik
  - and from the HRPC (Human Rights Protocol Considerations, Amelia).

RFC 8280

- As part of efforts in the Human Rights Protocol Considerations (HRPC) group, Amelia has reviewed the human rights considerations (RFC 8280)

- Need to remove reference to RFC8280

- RFC8280 doesn't need to be listed as a reference, because it's an IRTF Research Group document.

- The review is meant to be helpful, not compulsory.

Comments from 6man

- The main ND changes were suggested by 6MAN and by Erik Nordmark.

- They were addressed in version 26 and 30.

- The respective changes are listed in the ChangeLog.

- Thy are:

- -30: a clarification on the reliability of ND over OCB and over 802.11.

Comments from 6man

- We added the following paragraph:

- " The Neighbor Discovery protocol (ND) [RFC4861] is used over802.11-OCB links. The reliability of the ND protocol over 802.11-OCB is the reliability of the delivery of ND multicast messages. This reliability is the same as the reliability of delivery of ND multicast messages over 802.11 links operated with a BSS ID. "

Comments from 6man

- -26: moved text from SLAAC section and from Design Considerations appendix about privacy into a new Privacy Condiderations subsection of the Security section;

- Reformulated the SLAAC and IID sections to stress only LLs can use EUI-64;

- Removed the "GeoIP" wireshark explanation; reformulated SLAAC and LL sections;

Comments from 6man

- added brief mention of need of use LLs;

- clarified text about MAC address changes;

- dropped pseudonym discussion;

- changed title of section describing examples of packet formats.

Privacy protection of vehicles

- Comments from Dirk and Amelia, paragraph to be added:

"The demand for privacy protection of vehicles' and drivers' identities which could be granted by using a pseudonym or alias identity at the same time may hamper the required confidentiality of messages and trust between participants - especially in safety critical vehicular communication. *Particular challenges arise when the pseudonymization mechanism used relies on (randomized) re-addressing.* A proper pseudonymization tool operated by a trusted third party may be needed to ensure both aspects concurrently. *This is discussed in sect. 4.6 and 5.* Pseudonymity is also discussed in [I-D.ietf-ipwave-vehicular-networking] in sect. 4.2.4 and 5.1.2."