

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-21.txt

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Contents

- Changes since Singapore until deadline March 5th, 2018
- Last proposed changes

Changes since Singapore until deadline

March 5th, 2018

Added normative keywords (MUST, SHOULD, RECOMMEND, etc.):

- MUST Ethernet Adaptation Layer
- MUST MTU be 1500
- RECOMMENDED the use of stable interface identifiers
- MUST multicast and unicast address mapping of RFC2464
(IPv6-over-Ethernet)

Definitions:

- improved definitions of 802.11-OCB, IP-RSU, IP-OBU

Removals:

- removed text about fragmentation behaviour,
- removed text about WSMP, GeoNetworking,
- removed explanation of the binary representation of the EtherType
- removed reference to tsvwg about QoS on WiFi
- removed par about addressing model, subnet structure, and easiness of using LLs.

Write "802.11 Header" instead of "802.11 QoSData" or "802.11 Data".

Last proposed changes

Add this text:

The IPv6 packet transmitted on 802.11-OCB MUST be immediately preceded by a Logical Link Control (LLC) header and an 802.11 header. In the LLC header, and in accordance with the EtherType Protocol Discrimination (EPD), the value of the Type field MUST be set to 0x86DD (IPv6). In the 802.11 header, the value of the Subtype sub-field in the Frame Control field MUST be set to 8 (i.e. 'QoS Data'); the value of the Traffic Identifier (TID) sub-field of the QoS Control field of the 802.11 header MUST be set to binary 001 (i.e. User Priority 'Background', QoS Access Category 'AC_BK').

In the Ethernet II header, the value of the Type field MUST be set to 0x86DD (IPv6).

AND remove this text:

Other alternative views of layering are EtherType Protocol Discrimination (EPD), see Appendix E, and SNAP see [RFC1042].