IETF IPv6 Over Lowpower WPAN

6LoWPAN is an IPv6 adaption layer for low power wireless PAN (LoWPAN).

Network with the help of an adaptation layer which sits between the MAC layer and the IP network layer.

As it should be clear at this juncture, a link in a LoWPAN is characterized as lossy, low power, low bit-rate, short range, with many nodes saving energy with long sleep periods.

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A LoWPAN is potentially composed of a large number of overlapping radio ranges. Although a given radio range has broadcast capabilities, the aggregation of these is a complex non-broadcast multiaccess (NBMA) structure with generally no LoWPAN-wide multicast capabilities.

Link-local scope is in reality defined by reachability and radio strength.A LoWPAN to be made up of links with undetermined connectivity properties, along with the corresponding address model assumptions defined therein.