

The purpose of the MANET working group is to standardize IP routing protocol functionality suitable for wireless routing applications within both static and dynamic topologies with increased dynamics due to node motion or other factors.

Approaches are intended to be relatively lightweight in nature, suitable for multiple hardware and wireless environments, and address scenarios where MANETs are deployed at the edges of an IP infrastructure. Hybrid mesh infrastructures (e.g., a mixture of fixed and mobile routers) should also be supported by MANET specifications and management features.

When routing devices rely on modems to effect communications over wireless links, they need timely and accurate knowledge of the characteristics of the link (speed, state, etc.) in order to make routing decisions. In mobile or other environments where these characteristics change frequently, manual configurations or the inference of state through routing or transport protocols does not allow the router to make the best decisions. The WG will be in charge of maintaining and extending (as needed) the~~put special attention on the standardization of a bidirectional,~~ dynamic link exchange protocol (DLEP) between the router and the modem.

The MANET WG will coordinate with other Working Groups, such as the PIM and ROLL~~pim~~ WGs for multicast support, as well as the Routing Area WG (rtgwg) and, OSPF LSR WG and Babel WG on the general use of DLEP, ~~as well as the IPPM WG on topics related to traffic classification.~~

The MANET WG is responsible for the maintenance of OLSRv2 [RFC 7181], NHDP [RFC 6130] and the Generalized MANET Packet/Message Format [RFC5444], and their extensions. The MANET WG is also responsible for the maintenance of Babel [RFC 8966, RFC 8967, RFC 8968, RFC 9097] and its extensions.

Work Items: