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Internet Assigned Numbers Authority (IANA) Allocations for the Mobile Ad hoc Networks (MANET) Working Group draft-ietf-manet-iana-05.txt

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Abstract

This document enumerates IANA allocations for use by MANET WG protocols. Specifically, a UDP port and two link-local multicast group addresses (IPv4 & IPv6).

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MANET-IANA

1. Introduction

This document enumerates IANA allocations for MANET WG protocols. A well-known UDP port for MANET WG protocols. Well-known link-local multicast addresses (IPv4 & IPv6) for link-local communication between neighboring MANET routers.

2. UDP Port for MANET Protocols

MANET routing protocols require a well-known UDP port to send and receive MANET routing protocol packets. The title of this UDP port is "manet". The value of this UPD port is TBD1.

3. Link-local Multicast Group for MANET Routers

MANET protocols require a well-known link-local multicast address [RFC4291] to send and receive MANET routing protocol packets. The name of the multicast address to reach link-local (LL) MANET routers is "LL MANET Routers".

MANET routers will use this well-known LL scoped multicast address to receive routing protocol packets and use it for LL transmissions of routing protocol packets.

For IPv4, a well-known, link-local scope multicast address is used. The address for LL MANET Routers is 224.0.0.TBD2 to appear in the [<u>IANAv4Multicast</u>] registry.

For IPv6, a well-known, link-local scope multicast address is used. The address for LL MANET Routers is FF02:0:0:0:0:0:0:TBD3 to appear in the [<u>IANAv6Multicast</u>] registry.

<u>4</u>. IANA Considerations

UDP Port Assignment

+----+ | Name | Value | +----+ | manet | TBD1 | +---++

Table 1

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Link-local multicast address assignment

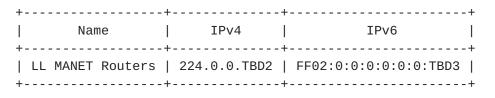


Table 2

5. Security Considerations

There are no security considerations associated with this document.

<u>6</u>. Acknowledgements

Fred Templin, Bill Fenner, and Alexandru Petrescu provided valuable input to this document.

7. References

7.1. Normative References

[RFC4291] Hinden, R. and S. Deering, "IP Version 6 Addressing Architecture", <u>RFC 4291</u>, February 2006.

7.2. Informative References

[IANAv4Multicast]

"IPv4 Multicast Address Assignments", May 2007, <<u>http://www.iana.org/assignments/multicast-addresses</u>>.

[IANAv6Multicast]

"IPv6 Multicast Address Assignments", May 2007, <<u>http://www.iana.org/assignments/</u> ipv6-multicast-addresses>.

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