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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).

Table of Contents

1. Introduction 3
2. UDP Port for MANET Protocols 3
3. Link-local Multicast Group for MANET Routers 3
4. IANA Considerations 3
5. Security Considerations 4
6. Acknowledgements 4
7. References 4
7.1. Normative References 4
7.2. Informative References 4
Author's Address 4
Intellectual Property and Copyright Statements 6

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 [IANAv4Multicast] 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 [IANAv6Multicast] registry.

4. IANA Considerations

UDP Port Assignment

Name	Value
manet	TBD1

Table 1

Link-local multicast address assignment

Name	IPv4	IPv6
LL MANET Routers	224.0.0.TBD2	FF02:0:0:0:0:0:0:TBD3

Table 2

5. Security Considerations

There are no security considerations associated with this document.

6. 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", RFC 4291, February 2006.

7.2. Informative References

[IANAv4Multicast]
"IPv4 Multicast Address Assignments", May 2007,
<http://www.iana.org/assignments/multicast-addresses>.

[IANAv6Multicast]
"IPv6 Multicast Address Assignments", May 2007,
<http://www.iana.org/assignments/ipv6-multicast-addresses>.

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