Multicast addresses for documentation purposes

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Multicast addresses for documentation use

- There are unicast addresses for documentation purposes
- Several people have been asking what addresses to use for multicast

- This document aims to tell people what multicast addresses to use
- Covers different address types which may be needed for documentation

- IPv4/IPv6
- ASM/SSM
- Well-known/GLOP/unicast-prefix-based/embedded-RP
  - A /124 IPv6 prefix out of FF3X:0000:/32
  - Is the number of IPv4/IPv6 addresses reasonable?

Reserved addresses

- There are unicast addresses for documentation purposes
- Several people have been asking what addresses to use for multicast

- ASM
  - Global IPv4 addresses for documentation use
  - There is already 233.252.0.0/24, reference that
  - Reserve FF0X:…/96 for IPv6

- SSM?
  - Less important than ASM, but may still be useful
  - 2 IPv4 addresses from 232/8? IANA has 256 addresses available for assignment
  - A /124 IPv6 prefix out of FF3X:0000:/32
  - Is the number of IPv4/IPv6 addresses reasonable?

Other address types

- Also shows how to use documentation ASNs and unicast addresses to create example addresses

- GLOP

- Unicast prefix based

- Embedded-RP

What next?

- Questions?

- Is this document useful?

- Adopt as an mboned wg item?