A request to IETF / IANA to Allocate a 32bit Link-Local Prefix
draft.petrescu-6man-ll-32-ietf-iana-request-01

Abstract

This draft requests IETF / IANA to assign the link local prefix
fe80:1::/32 for use in vehicular networks.

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described in the Simplified BSD License.
1. Definitions and Statements

The prefix of an IP address is formed by the n leftmost bits of the address. (in a left-to-right writing system).

2. Terminology

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in RFC 2119 [RFC2119].

3. Security Considerations

There can be security risks in the use of link-local addressed packets if they are not protected by technologies like IPsec. The risks are valid to all kinds of link-local addresses, be them fe80::/10 or fe80::/64.

4. IANA Considerations

IANA is requested to assign fe80:1::/32 for use in vehicular networks.

5. Contributors

Listed from 6man WG discussion.

6. Acknowledgements

7. Normative References

Appendix A. ChangeLog

The changes are listed in reverse chronological order, most recent changes appearing at the top of the list.

-01: specified that the allocations should be for vehicular networks.

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