IANA Ethernet Considerations

Internet-Draft

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- What is IANA?
  - The Internet Assigned Numbers Authority (IANA) is responsible for the global coordination of the DNS Root, IP addressing, and other Internet protocol resources
  - [http://www.iana.org/](http://www.iana.org/)
  - [http://beta.iana.org/about/](http://beta.iana.org/about/)

- Why this draft?
  - IANA considerations for the allocation of code points under the IANA OUI
  - lists and discusses some other IETF use of Ethernet code points not under the IANA OUI
  - Targeting IETF constituency but coordinate with IEEE 802 and RAC


- Area Director sponsored document targeting BCP
- IETF Last Call in a few weeks
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• What’s in the draft?
  – Description of the IEEE Registration Authority
  – 48-bit MAC Identifiers and OUIs
    • EUI-48 Allocations under the IANA OUI and allocation considerations
  – 64-bit MAC Identifiers
    • IPv6 Use of Modified EUI-64 Addresses and allocation considerations
  – Other IETF Used EUI-48 Addresses
    • MAC-48 multicast addresses prefixed "33-33" used by the IETF for global IPv6 multicast [RFC2464]
    • OUIs prefixed CF - allocated by IANA for use in PPP [RFC1661] – deprecated
  – Ethernet Protocol Parameters
    • Ethertypes
    • LSAPs
  – Procedures for Ethernet Protocol Allocation under IANA OUI
  – Annexes
    • EUI-48/EUI-64 Identifier or Identifier Block Template
    • Some Ethertypes Used by the IETF