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Obsoleting the Endpoint Identifier (EID) Option
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Abstract

This document formally deprecates the IPv6 Endpoint Identification (EID) option (hex value 0x8a), thus cleaning up the corresponding IANA registry, and possibly serving as a basis for providing advice about the filtering of packets containing this option.

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Internet-Draft

Obsoleting the EID Option

October 2012

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1. Introduction

The Endpoint Identification option (hex value 0x8a) [[EID-OPTION](#)] was meant to be used with the Nimrod routing architecture [[NIMROD-DOC](#)], but has never seen widespread deployment. Therefore, this document instructs IANA to change the "Destination Options and Hop-by-Hop Options" registry [[IANA-IPV6-PARAMETERS](#)] accordingly (marking option 0x8a as "Obsolete"), thus cleaning up the corresponding registry.

2. Security Considerations

This document does not modify the security properties of the IPv6 option being deprecated. However, formally deprecating this option may serve as a basis for e.g. providing advice about filtering packets containing such option (in a similar way to [\[I-D.ietf-opsec-ip-options-filtering\]](#) for the IPv4 case).

3. IANA Considerations

The "Destination Options and Hop-by-Hop Options" registry [[IANA-IPV6-PARAMETERS](#)] contains the list of the currently assigned IPv6 option numbers. This document formally deprecates the Endpoint Identification option, and requests IANA to mark it as such in the corresponding registry [[IANA-IPV6-PARAMETERS](#)].

Hex Value	Binary Value			Description	Reference
	act	chg	rest		
0x8A	10	0	01010	Endpoint Identification	[[CHARLES LYNN]]*

[Note, an asterisk (*) denotes an obsoleted IP Option Number.]

4. Acknowledgements

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[5.](#) References

[5.1.](#) Normative References

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", [BCP 14](#), [RFC 2119](#), March 1997.

[5.2.](#) Informative References

[I-D.ietf-opsec-ip-options-filtering]

Gont, F., Atkinson, R., and C. Pignataro, "Recommendations on filtering of IPv4 packets containing IPv4 options", [draft-ietf-opsec-ip-options-filtering-00](#) (work in progress), June 2012.

[EID-OPTION]

LynnRoy, C., "Endpoint Identifier Destination Option", Work in Progress, November 1995.

[NIMROD-DOC]

Nimrod Documentation Page,
"http://ana-3.lcs.mit.edu/~jnc/nimrod/".

[IANA-IPV6-PARAMETERS]

Internet Protocol Version 6 (IPv6) Parameters,
"http://www.iana.org/assignments/ipv6-parameters".

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