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OSPFv3 Instance ID Registry Update
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Abstract

This document modifies the "Unassigned" number space in the IANA "OSPFv3 Instance ID Address Family Values" registry.

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OSPFv3 Instance ID Registry Update

October 2012

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1. Introduction

[RFC5838] defined the "OSPFv3 Instance ID Address Family Values" registry for the purpose of mapping OSPFv3 Instance IDs to different address families. The following table lists the value ranges as currently allocated.

Instance ID Range	Description	Assignment Policy
Instance ID # 0 - # 31	IPv6 unicast AF	Already Assigned
Instance ID # 32 - # 63	IPv6 multicast AF	Already Assigned
Instance ID # 64 - # 95	IPv4 unicast AF	Already Assigned
Instance ID # 96 - # 127	IPv4 multicast AF	Already Assigned
Instance ID # 128 - # 255	Unassigned	Standards Action

In some networks additional OSPFv3 instances may be required to operationally identify specific applications.

2. Requirements Language

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 [[RFC2119](#)].

3. OSPFv3 Instance ID Address Family Values Registry Update

The IANA "OSPFv3 Instance ID Address Family Values" registry MUST be updated as follows:

Instance ID Range	Description	Assignment Policy
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Instance ID # 128 - # 191	Unassigned	Standards Action
Instance ID # 192 - # 255	Unassigned	Private Use [RFC5226]
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[4.](#) IANA Considerations

This document requests the modification of the "OSPFv3 Instance ID Address Family Values" registry as described in [Section 3](#).

[5.](#) Security Considerations

This document modifies the assignment policy of an IANA registry defined in [[RFC5838](#)]. It does not introduce any new security issues.

[6.](#) Acknowledgements

Many thanks to Acee Lindem and Stewart Bryant for their input.

[7.](#) References

[7.1.](#) Normative References

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

[RFC5226] Narten, T. and H. Alvestrand, "Guidelines for Writing an IANA Considerations Section in RFCs", [BCP 26](#), [RFC 5226](#), May 2008.

[7.2.](#) Informative References

[RFC5838] Lindem, A., Mirtorabi, S., Roy, A., Barnes, M., and R. Aggarwal, "Support of Address Families in OSPFv3", [RFC 5838](#), April 2010.

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