                    OSPFv3 Instance ID Registry Update
                  draft-ietf-ospf-ospfv3-iid-registry-update-02

Abstract

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

Status of this Memo

   This Internet-Draft is submitted in full conformance with the
   provisions of BCP 78 and BCP 79.

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   This Internet-Draft will expire on August 15, 2013.

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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.  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     |
 +---------------------------+------------+-----------------------+
 | Instance ID # 128 - # 191 | Unassigned | Standards Action      |
 | Instance ID # 192 - # 255 | Reserved   | Private Use [RFC5226] |
 +---------------------------+------------+-----------------------+
```

## 3.  IANA Considerations

   This document requests the modification of the "OSPFv3 Instance ID
   Address Family Values" registry as described in Section 2.  The
   reference to [RFC5838] should be removed from the registry for the
   modified ranges.

## 4.  Security Considerations

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

## 5.  Acknowledgements

   Many thanks to Acee Lindem, Stewart Bryant, Nevil Brownlee and Pearl
   Liang for their review and input.

## 6.  References

### 6.1.  Normative References

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

### 6.2.  Informative References

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

## Appendix A.  Change Log

### A.1.  Changes between the -00 and -01 versions.

   o  Eliminated rfc2119 keywords, section about Requirements Language
      and corresponding reference.

   o  Updated acks.

### A.2.  Changes between the -01 and -02 versions.

   o  Added indicated that this draft updates rfc5838.

   o  Clarified the description of the 'Private Use' range to
      'Reserved'.

   o  Added the need to remove the reference to rfc5838 from the updated
      registry fields.

   o  Updated acks.

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