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## BGP Extended Community Registries Update

### Abstract

This document updates several BGP Extended Community registries in order to replace the "Experimental Use" registration procedure in some entries, since their use is clearly not experimental and is thus misleading.

This document updates RFCs 7153 and 8955.

### Status of This Memo

This is an Internet Standards Track document.

This document is a product of the Internet Engineering Task Force (IETF). It represents the consensus of the IETF community. It has received public review and has been approved for publication by the Internet Engineering Steering Group (IESG). Further information on Internet Standards is available in Section 2 of RFC 7841.

Information about the current status of this document, any errata, and how to provide feedback on it may be obtained at <https://www.rfc-editor.org/info/rfc9184>.

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## 1. Introduction

The IANA registries for the type values and sub-type values of the BGP Extended Communities attribute were reorganized by [RFC7153]. As a result, IANA maintains a registry entitled "BGP Transitive Extended Community Types", which includes a range of type values (0x80-0x8F) reserved for Experimental Use [RFC8126]. Out of this experimental range, types 0x80, 0x81, and 0x82 have been used in [RFC5575] and [RFC7674] (both documents were rendered obsolete by [RFC8955]). The primary use for those types and the sub-type registries is non-experimental.

Section 2 describes updates to the registry to reflect the actual use of those code points by changing the registration procedure from "Experimental Use" to "First Come First Served" [RFC8126] for the types 0x80-0x82 (and removing "Experimental Use" from the sub-type registry names), thereby updating [RFC7153] and [RFC8955].

## 2. IANA Considerations

### 2.1. Registry: BGP Transitive Extended Community Types

IANA maintains a registry entitled "BGP Transitive Extended Community Types". IANA has added RFC 9184 to the reference of this registry. They have also updated the name of the type values according to Table 1 and added RFC 9184 as a reference for the existing entries.

| Type Value | Name  | Reference |
|------------|---|-----------|
| 0x80       | Generic Transitive Extended Community (Sub-Types are defined in the "Generic Transitive Extended Community Sub-Types" registry)               | RFC 9184  |
| 0x81       | Generic Transitive Extended Community Part 2 (Sub-Types are defined in the "Generic Transitive Extended Community Part 2 Sub-Types" registry) | RFC 9184  |
| 0x82       | Generic Transitive Extended Community Part 3 (Sub-Types are defined in the "Generic Transitive Extended Community Part 3 Sub-Types" registry) | RFC 9184  |

Table 1: Registry: BGP Transitive Extended Community Types

Furthermore, IANA has changed the registration procedures of this registry for type values 0x80 through 0x82 to First Come First Served [RFC8126]. The resulting registration procedures should read as in Table 2.

| Range     | Registration Procedures                       |
|-----------|---|
| 0x00-0x3f | First Come First Served                       |
| 0x80-0x82 | First Come First Served (see RFC 9184)        |
| 0x83-0x8f | Reserved for Experimental Use (see [RFC3692]) |
| 0x90-0xbf | Standards Action                              |

+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+

Table 2: Registration Procedures: BGP Transitive Extended  
Community Types

## 2.2. Registry: Generic Transitive Experimental Use Extended Community Sub-Types

IANA maintains a registry entitled "Generic Transitive Experimental  
Use Extended Community Sub-Types". IANA has added RFC 9184 to the  
reference of this registry and updated the registry title to:

"Generic Transitive Extended Community Sub-Types"

## 2.3. Registry: Generic Transitive Experimental Use Extended Community Part 2 Sub-Types

IANA maintains a registry entitled "Generic Transitive Experimental  
Use Extended Community Part 2 Sub-Types". IANA has added RFC 9184 to  
the reference of this registry and updated the registry title to:

"Generic Transitive Extended Community Part 2 Sub-Types"

## 2.4. Registry: Generic Transitive Experimental Use Extended Community Part 3 Sub-Types

IANA maintains a registry entitled "Generic Transitive Experimental  
Use Extended Community Part 3 Sub-Types". IANA has added RFC 9184 to  
the reference of this registry and updated the registry title to:

"Generic Transitive Extended Community Part 3 Sub-Types"

## 3. Security Considerations

There are no direct security considerations arising from this  
document.

## 4. References

### 4.1. Normative References

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