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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 thus misleading.

This document updates RFC7153 and RFC8955.

Status of This Memo

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1. Introduction

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

[Section 2](#) of this document requests the registry cleanup to reflect the actual use of those code-points (removing "Experimental Use" from the sub-type registry names) and changes the registration procedure of the types 0x80, 0x81, 0x82 to use the First Come First Served policy [[RFC8126](#)] and thus updates [[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 is requested to update the Name of the Type Values according to [Table 1](#) and append a reference to this document to the existing references.

Type Value	Name	Reference
0x80	Generic Transitive Extended Community (Sub-Types are defined in the "Generic Transitive Extended Community Sub-Types" Registry)	[add this document]
0x81	Generic Transitive Extended Community Part 2 (Sub-Types are defined in the "Generic Transitive Extended Community Part 2 Sub-Types" Registry)	[add this document]
0x82	Generic Transitive Extended Community Part 3 (Sub-Types are defined in the "Generic Transitive Extended Community Part 3 Sub-Types" Registry)	[add this document]

Table 1: Registry: BGP Transitive Extended Community Types

Furthermore IANA is requested to change the registration procedures of this registry of Type Values 0x80 thru 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 [this document])
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 is requested to update 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 is requested to update 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 is requested to update 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. Acknowledgements

The author wants to thank Alvaro Retana who pointed out, that the IANA registry contains misleading entries in this context.

5. References

5.1. Normative References

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