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Authors: C. Loibl  
          next layer Telekom GmbH  
          **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.

## 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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## 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) with Experimental Use registration procedure. Out of this experimental range the types 0x80, 0x81, 0x82 have been assigned via [[RFC5575](#)] and [[RFC7674](#)]. 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 first come first serve.

## 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		

Type Value	Name	Reference
	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 Serve. 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 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 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 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**

- [RFC7153] Rosen, E. and Y. Rekhter, "IANA Registries for BGP Extended Communities", RFC 7153, DOI 10.17487/RFC7153, March 2014, <<https://www.rfc-editor.org/info/rfc7153>>.
- [RFC8126] Cotton, M., Leiba, B., and T. Narten, "Guidelines for Writing an IANA Considerations Section in RFCs", BCP 26, RFC 8126, DOI 10.17487/RFC8126, June 2017, <<https://www.rfc-editor.org/info/rfc8126>>.

### **5.2. Informative References**

- [RFC5575] Marques, P., Sheth, N., Raszuk, R., Greene, B., Mauch, J., and D. McPherson, "Dissemination of Flow Specification Rules", RFC 5575, DOI 10.17487/RFC5575, August 2009, <<https://www.rfc-editor.org/info/rfc5575>>.
- [RFC7674] Haas, J., Ed., "Clarification of the Flowspec Redirect Extended Community", RFC 7674, DOI 10.17487/RFC7674, October 2015, <<https://www.rfc-editor.org/info/rfc7674>>.

## **Author's Address**

Christoph Loibl  
next layer Telekom GmbH  
Mariahilfer Guertel 37/7  
1150 Vienna  
Austria

Phone: [+43 664 1176414](tel:+436641176414)

Email: [cl@tix.at](mailto:cl@tix.at)