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Revision to Registration Procedures for Multiple BMP Registries

Abstract

This document updates RFC 7854, BGP Monitoring Protocol (BMP) by making a change to the registration procedures for several registries. Specifically, any BMP registry with a range of 32768-65530 designated "Specification Required" has that range re-designated as "First Come First Served".

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1. Introduction

[RFC7854] creates a number of IANA registries that include a range of 32768-65530 designated "Specification Required". Each such registry also has a large range designated "Standards Action". Subsequent experience has shown two things. First, there is less difference between these two policies in practice than there is in theory (consider that [RFC8126] explains that for Specification Required, "Publication of an RFC is an ideal means of achieving this requirement"). Second, it's desirable to have a very low bar to registration, to avoid the risk of conflicts introduced by use of unregistered code points (so-called "code point squatting").

Accordingly, this document revises the registration procedures, as given in Section 2.

2. IANA Considerations

IANA is requested to revise the following registries within the BMP group:

- *BMP Statistics Types
- *BMP Initiation Message TLVs
- *BMP Termination Message TLVs
- *BMP Termination Message Reason Codes
- *BMP Route Mirroring TLVs
- *BMP Route Mirroring Information Codes

For each of these registries, the ranges 32768-65530 whose registration procedures were "Specification Required" are revised to have the registration procedures "First Come First Served".

3. Security Considerations

This revision to registration procedures does not change the underlying security issues inherent in the existing [RFC7854].

4. Acknowledgements

Thanks to Jeff Haas for review and encouragement, and to Tom Petch for review.

5. Normative References

[RFC7854] Scudder, J., Ed., Fernando, R., and S. Stuart, "BGP Monitoring Protocol (BMP)", RFC 7854, DOI 10.17487/RFC7854, June 2016, <<https://www.rfc-editor.org/info/rfc7854>>.

[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>>.

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