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IANA Allocation Procedures for the GMPLS OTN Signal Type Registry

Abstract

IANA defined the "OTN Signal Type" subregistry of the "Generalized Multi-Protocol Label Switching (GMPLS) Signaling Parameters" registry in RFC 7139. This document updates the "OTN Signal Type" subregistry to allow registration via Specification Required.

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 http://www.rfc-editor.org/info/rfc7892.

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1. Introduction

IANA maintains "OTN Signal Type" subregistry of the "Generalized Multi-Protocol Label Switching (GMPLS) Signaling Parameters" registry for OTN signal types (as defined in [RFC4328] and updated by [RFC7139]). This subregistry is defined to use only the Standards Action registration policy as defined by [RFC5226]. This document updates [RFC7139] to allow the "OTN Signal Type" subregistry to also use the Specification Required policy as defined in [RFC5226].

2. Security Considerations

This document does not introduce any new security considerations to the existing GMPLS signaling protocols. Refer to [RFC7139] for further details of the specific security measures. Additionally, [RFC5920] provides an overview of security vulnerabilities and protection mechanisms for the GMPLS control plane.

3. IANA Considerations

IANA maintains the "OTN Signal Type" subregistry of the "Generalized Multi-Protocol Label Switching (GMPLS) Signaling Parameters" registry. The registry currently is defined to use the Standards Action registration policy as defined by [RFC5226].

Per this document, IANA has updated the registration policies for the "OTN Signal Type" subregistry to be "Standards Action" for Standards Track documents and "Specification Required" for other documents.

4. References

4.1. Normative References

[RFC4328] Papadimitriou, D., Ed., "Generalized Multi-Protocol Label Switching (GMPLS) Signaling Extensions for G.709 Optical Transport Networks Control", RFC 4328, DOI 10.17487/RFC4328, January 2006, <http://www.rfc-editor.org/info/rfc4328>.

[RFC7139] Zhang, F., Ed., Zhang, G., Belotti, S., Ceccarelli, D., and K. Pithewan, "GMPLS Signaling Extensions for Control of Evolving G.709 Optical Transport Networks", RFC 7139, DOI 10.17487/RFC7139, March 2014, <http://www.rfc-editor.org/info/rfc7139>.

[RFC5226] Narten, T. and H. Alvestrand, "Guidelines for Writing an IANA Considerations Section in RFCs", BCP 26, RFC 5226, DOI 10.17487/RFC5226, May 2008, <http://www.rfc-editor.org/info/rfc5226>.

4.2. Informative References

[RFC5920] Fang, L., Ed., "Security Framework for MPLS and GMPLS Networks", RFC 5920, DOI 10.17487/RFC5920, July 2010, <http://www.rfc-editor.org/info/rfc5920>.

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