     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.

Table of Contents

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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