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**IANA Allocation Procedures for OTN Signal Type Subregistry to
the GMPLS Signaling Parameters Registry
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Abstract

IANA has defined an "OTN Signal Type" subregistry to the "Generalized Multi-Protocol Label Switching (GMPLS) Signaling Parameters" registry. This draft proposes changes to the OTN Signal Type subregistry to include Specification Required policies, as defined in [\[RFC5226\]](#).

Conventions used in this document

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [RFC 2119](#) [\[RFC2119\]](#).

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1. Introduction

[\[RFC4328\]](#) and [\[RFC7139\]](#) provide the extensions to the Generalized Multi-Protocol Label Switching (GMPLS) signaling to control the full set of OTN features including ODU0, ODU1, ODU2, ODU3, ODU4, ODU2e and ODUflex. However, it does not cover additional signal types mentioned in [\[G.Sup43\]](#) (ODU1e, ODU3e1, and ODU3e2). As ODU1e, ODU3e1, and ODU3e2 signal types are only defined in an ITU-T supplementary document, IANA cannot allocate values from the Standards Action registration policy defined in [\[RFC5226\]](#).

IANA maintains "OTN Signal Type" subregistry to the "Generalized Multi-Protocol Label Switching (GMPLS) Signaling Parameters" registry for the OTN signal defined in [\[RFC4328\]](#) and [\[RFC7139\]](#). However, this subregistry currently is defined to only use the Standards Action registration policy as defined by [\[RFC5226\]](#). This document extends "OTN Signal Type" subregistry to also

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support Specification Required policies, as defined in [\[RFC5226\]](#).

2. IANA Considerations

IANA maintains the an "OTN Signal Type" subregistry to 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 [\[RFC5226\]](#). This document directs that both Standards Action and IETF Review policies, as defined in [\[RFC5226\]](#), be applied to this subregistry. When needed, the Designated Expert shall be identified by a CCAMP WG chair or, in the case the group is no longer active, by the IESG.

3. Acknowledgments

The authors would like to thank Lou Berger and Adrian Farrel for comments.

4. References

4.1. Normative References

- [RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", [BCP 14](#), [RFC 2119](#), March 1997.
- [RFC4328] Papadimitriou, D., Ed., "Generalized Multi-Protocol Label Switching (GMPLS) Signaling Extensions for G.709 Optical Transport Networks Control", [RFC 4328](#), January 2006.
- [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](#), March 2014.
- [RFC5226] Narten, T. and H. Alvestrand, "Guidelines for Writing an IANA Considerations Section in RFCs", [BCP 26](#), [RFC 5226](#), May 2008.

4.2. Informative References

- [GSUP.43] ITU-T, "Proposed revision of G.sup43 (for agreement)", February, 2011.

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