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**IANA Allocation Procedures for OTN Signal Type Subregistry of  
the GMPLS Signaling Parameters Registry  
draft-ietf-ccamp-otn-signal-type-subregistry-05.txt**

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## Abstract

IANA has defined an "OTN Signal Type" subregistry of the "Generalized Multi-Protocol Label Switching (GMPLS) Signaling Parameters" registry. This document updates the OTN Signal Type subregistry specified in [RFC 7139](#) to allow Specification Required policies, as defined in [RFC 5226](#).

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## [1. Introduction](#)

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

This document requests that the "OTN Signal Type" subregistry of the "Generalized Multi-Protocol Label Switching (GMPLS) Signaling Parameters" registry be updated with registration policies of "Standards Action" for Standards Track documents, and "Specification Required" for other documents.

When needed, the Designated Expert shall be any current CCAMP WG chair or, in the case the group is no longer active, designated by the IESG.

#### **[4. Acknowledgments](#)**

The authors would like to thank Lou Berger, Deborah Brungard, Daniele Ceccarelli, Adrian Farrel, Vijay Gurbani, Huub van Helvoort, Barry Lieba and Robert Sparks for comments.

#### **[5. References](#)**

##### **[5.1. Normative References](#)**

[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.

##### **[5.2. Informative References](#)**

[RFC5920] Fang, L., Ed., "Security Framework for MPLS and GMPLS Networks", [RFC 5920](#), July 2010.

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