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Zafar Ali  
Antonello Bonfanti  
Matt Hartley  
Cisco Systems  
F. Zhang  
Huawei Technologies  
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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-04.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 introduces no 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  
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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 the following registration policies: "Standards Action" and "Specification Required" as defined in [\[RFC5226\]](#).

When needed, the Designated Expert shall be any current CCAMP WG chair or, in the case the group is no longer active, designated by the IESG.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

Authors' Addresses

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Zafar Ali  
Cisco Systems  
Email: [zali@cisco.com](mailto:zali@cisco.com)

Antonello Bonfanti  
Cisco Systems  
[abonfant@cisco.com](mailto:abonfant@cisco.com)

Matt Hartley  
Cisco Systems  
[mhartley@cisco.com](mailto:mhartley@cisco.com)

Fatai Zhang  
Huawei Technologies  
Email: [zhangfatai@huawei.com](mailto:zhangfatai@huawei.com)

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