CCAMP Working Group
Internet Draft
Intended status: Standards Track

Expires: May 12, 2015

Zafar Ali
Antonello Bonfanti
Cisco Systems
F. Zhang
Huawei Technologies
November 13, 2014

IANA Allocation Procedures for OTN Signal Type Subregistry to the GMPLS Signaling Parameters Registry
draft-ietf-ccamp-otn-signal-type-subregistry-00.txt

Status of this Memo

This Internet-Draft is submitted in full conformance with the provisions of BCP 78 and BCP 79.

Internet-Drafts are working documents of the Internet Engineering Task Force (IETF). Note that other groups may also distribute working documents as Internet-Drafts. The list of current Internet-Drafts is at http://datatracker.ietf.org/drafts/current/.

Internet-Drafts are draft documents valid for a maximum of six months and may be updated, replaced, or obsoleted by other documents at any time. It is inappropriate to use Internet-Drafts as reference material or to cite them other than as "work in progress."

This Internet-Draft will expire on May 12, 2015.

Copyright Notice

Copyright (c) 2013 IETF Trust and the persons identified as the document authors. All rights reserved.

This document is subject to BCP 78 and the IETF Trust's Legal Provisions Relating to IETF Documents (http://trustee.ietf.org/license-info) in effect on the date of publication of this document. Please review these documents carefully, as they describe your rights and restrictions with respect to this document. Code Components extracted from this document must include Simplified BSD License text as described in Section 4.e of the Trust Legal Provisions and are provided without warranty as described in the Simplified BSD License.

This document may contain material from IETF Documents or IETF Contributions published or made publicly available before November 10, 2008. The person(s) controlling the copyright in some of this

material may not have granted the IETF Trust the right to allow modifications of such material outside the IETF Standards Process. Without obtaining an adequate license from the person(s) controlling the copyright in such materials, this document may not be modified outside the IETF Standards Process, and derivative works of it may not be created outside the IETF Standards Process, except to format it for publication as an RFC or to translate it into languages other than English.

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 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].

Table of Contents

1. Introduction 2
2. IANA Considerations 3
3. References 3
3.1. Normative References 3
3.2. Informative References 3

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

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 Specification Required 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.

Authors' Addresses

draft-ietf-ccamp-otn-signal-type-subregistry-00.txt

Zafar Ali
Cisco Systems
Email: zali@cisco.com

Antonello Bonfanti
Cisco Systems
abonfant@cisco.com

Fatai Zhang
Huawei Technologies
Email: zhangfatai@huawei.com