|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | **International Telecommunication Union** | | |
|  | |  | | |
| **ITU-T** | **G.8101/Y.1355 Implementers' Guide** | |
| TELECOMMUNICATION STANDARDIZATION SECTOR OF ITU | | (19 OCT 2018) |
|  | SERIES G: TRANSMISSION SYSTEMS AND MEDIA, DIGITAL SYSTEMS AND NETWORKS  Digital networks – General aspects | | | |
|  | **Implementers' guide for Recommendation ITU-T G.8101/Y.1355 (2016-11)** | | | |

Summary

This document is an Implementers' Guide for Recommendation ITU-T G.8101/Y.1355 (2016-11).

This version contains all updates submitted up to and including those at Study Group 15 meeting in October 2018.

This document was approved by ITU-T Study Group 15 on 19 October 2018.

**Change log**

19 October 2018 First version.

Contact information

|  |  |  |
| --- | --- | --- |
| ITU-T Study Group 15 / Question 10 Rapporteur | Jessy Rouyer Nokia | Tel: +1 469 661 2093 Fax: E-mail: jessy.rouyer@nokia.com |
| Editor | Yuji Tochio  Fujitsu | Tel: +81 44 754 2641 Fax: E-mail: tochio@jp.fujitsu.com |

**Table of Contents**

| Page |
| --- |
| [1 Scope 1](#_Toc530996935)  [2 Introduction 1](#_Toc530996936)  [3 Defect resolution procedure 1](#_Toc530996937)  [4 References 1](#_Toc530996938)  [5 Nomenclature 1](#_Toc530996939)  [6 Technical and editorial corrections to Recommendation ITU-T G.8101/Y.1355 2](#_Toc530996940)  [6.1 Section 3.1 2](#_Toc530996941)  [6.2 Section 3.2 9](#_Toc530996942)  [6.3 Appendix I 10](#_Toc530996943)  [6.4 Bibliography 10](#_Toc530996944)  [Annex: Recommendation ITU-T G.8101/Y.1355 Defect Report Form 12](#_Toc530996945) |

Implementers' guide for Recommendation ITU-T G.8101/Y.1355

# Scope

This guide provides a list of the definitions that were deleted from Recommendation ITU-T G.8101/Y.1355 when moved to their source Recommendations.

# Introduction

This implementers' guide is a compilation of reported defects for all versions of Recommendation ITU-T G.8101. In this edition of the guide, reported defects identified as of 2018-10 are given for:

Recommendation ITU-T G.8101/Y.1355 (2016-11)

The guide must be read in conjunction with Recommendation ITU-T G.8101/Y.1355 (2016-11) to serve as an additional source of information for implementers. The changes, clarifications and corrections defined herein are expected to be included in future versions of the affected Recommendations.

# Defect resolution procedure

Upon discovering technical defects with any components of the texts covered by this implementers' guide, please provide a written description directly to the editors of the affected Recommendation(s) with a copy to the respective Rapporteur (See contacts above on page iii). The template for a defect report is located at the end of this guide. Return contact information should also be supplied so a dialogue can be established to resolve the matter and an appropriate reply to the defect report can be conveyed. This defect resolution process is open to any interested party. Formal membership in the ITU is not required to participate in this process.

# References

This document refers to the following ITU-T Recommendation:

* ITU-T Recommendation G.8101/Y.1355 (2016-11), *Terms and definitions for Ethernet frames over transport*.

# Nomenclature

In addition to traditional revision marks, the following marks and symbols are used to indicate to the reader how changes to the text of a Recommendation should be applied:

|  |  |
| --- | --- |
| Symbol | Description |
| [Begin Correction] | Identifies the start of revision marked text based on extractions from the published Recommendations affected by the correction being described. |
| [End Correction] | Identifies the end of revision marked text based on extractions from the published Recommendations affected by the correction being described. |
| **...** | Indicates that the portion of the Recommendation between the text appearing before and after this symbol has remained unaffected by the correction being described and has been omitted for brevity. |
| *--- SPECIAL INSTRUCTIONS --- {instructions}* | Indicates a set of special editing instructions to be followed. |

# Technical and editorial corrections to Recommendation ITU-T G.8101/Y.1355

## Section 3.1

This Recommendation uses the following terms defined elsewhere:

3.1.7 access point: [ITU-T G.805]

NOTE – Access point is referred to in [b‑ITU-T G.8110.1].

3.1.8 adapted information: [ITU-T G.805]

NOTE – Adapted information is referred to in [b‑ITU-T G.8110.1].

3.1.9 administrative domain: [ITU-T G.805]

NOTE – Administrative domain is referred to in [b-ITU-T G.8110.1].

3.1.11 administrative state: [ITU-T X.731]

NOTE – Administrative state is referred to in [b-ITU-T G.8110.1].

3.1.16 associated channel header: [IETF RFC 5586]

NOTE – Associated channel header is referred to in [b-ITU-T G.8110.1].

3.1.20 bottom of stack: [IETF RFC 3032]

NOTE – Bottom of stack is referred to in [b‑ITU-T G.8110.1],.

3.1.21 characteristic information: [ITU-T G.805]

NOTE – Characteristics information is referred to in [b‑ITU-T G.8110.1].

3.1.22 client/server relationship: [ITU-T G.805]

NOTE – Client/server relationship is referred to in [b‑ITU-T G.8110.1],.

3.1.23 connection: [ITU-T G.805]

NOTE – Connection is referred to in [b‑ITU-T G.8110.1].

3.1.24 connection point: [ITU-T G.805]

NOTE – Connection point is referred to in [b‑ITU-T G.8110.1].

3.1.25 connection supervision: [ITU-T G.805]

NOTE – Connection supervision is referred to in [b-ITU-T G.8110.1].

3.1.26 customer edge (CE): [IETF RFC 5921]

NOTE – CE is referred to in [ITU-T G.8112].

3.1.28 defect: [ITU-T G.806]

NOTE – Defect is referred to in [b-ITU-T G.8113.1], and [b-ITU-T G.8113.2].

3.1.30 explicitly TC-encoded-PSC LSP: [IETF RFC 5462]

NOTE – Explicitly TC-encoded-PSC LSP is referred to in [b‑ITU-T G.8110.1].

3.1.31 failure: [ITU-T G.806]

NOTE – Failure is referred to in [b-ITU-T G.8113.1], [b-ITU-T G.8113.2] and [ITU-T G.8131].

NOTE – G-ACh packet is referred to in [b-ITU-T G.8110.1].

3.1.35 G-ACh packet payload: [IETF RFC 5586]

NOTE – G-ACh packet payload is referred to in [b-ITU-T G.8110.1].

3.1.36 generic associated channel: [IETF RFC 5586]

NOTE – Generic associated channel is referred to in [b-ITU-T G.8110.1].

3.1.38 label: [IETF RFC 3031]

NOTE – Label is referred to in [b‑ITU‑T G.8110.1]

3.1.39 label inferred PHB scheduling class LSP: [IETF RFC 3270]

NOTE – Label inferred PHB scheduling class LSP is referred to in [b‑ITU-T G.8110.1].

3.1.40 label stack: [IETF RFC 3031]

NOTE – Label stack is referred to in [b‑ITU‑T G.8110.1].

3.1.41 label switched path: [IETF RFC 3031]

NOTE – Label switching path is referred to in [b‑ITU‑T G.8110.1].

3.1.42 label value: [IETF RFC 3032]

NOTE – Label value is referred to in [b‑ITU-T G.8110.1],.

3.1.43 layer network: [ITU-T G.805]

NOTE – Layer network is referred to in [b‑ITU-T G.8110.1].

3.1.44 link: [ITU-T G.805]

NOTE – Link is referred to in [b-ITU-T G.8110.1].

3.1.45 link connection: [ITU-T G.805]

NOTE – Link connection is referred to in [b-ITU-T G.8110.1].

3.1.47 maintenance entity: [ITU‑T G.8013]

NOTE – Maintenance entity is referred to in [b-ITU-T G.8110.1].

3.1.48 maintenance entity group: [ITU‑T G.8013]

NOTE – Maintenance entity group is referred to in [b-ITU-T G.8110.1].

3.1.49 maintenance entity group intermediate point compound function: [ITU‑T G.8001]

NOTE – Maintenance entity group intermediate point compound function is referred to in [b‑ITU‑T G.8110.1].

3.1.60 MPLS label stack: [IETF RFC 3031]

NOTE – MPLS label stack is referred to in [b-ITU-T G.8110.1].

3.1.61 MPLS transport profile (MPLS‑TP): [IETF RFC 5921]

NOTE – MPLS transport profile (MPLS-TP) is referred to in [b-ITU-T G.8110.1], [b-ITU-T G.8113.1] and [b-ITU-T G.8113.2].

3.1.62 MPLS‑TP LSP: [IETF RFC 5921]

NOTE – MPLS-TP LSP is referred to in [b-ITU-T G.8110.1].

3.1.63 MPLS-TP PE: [IETF RFC 5921]

NOTE – MPLS-TP PE is referred to in [ITU-T G.8112].

3.1.65 network: [ITU-T G.805]

NOTE – Network is referred to in [b‑ITU-T G.8110.1],.

3.1.66 network connection: [ITU-T G.805]

NOTE – Network connection is referred to in [b‑ITU-T G.8110.1].

3.1.69 network survivability: [ITU-T G.808]

NOTE – Network survivability state is referred to in [b-ITU-T G.8110.1].

3.1.70 network-to-network interface (NNI): [ITU‑T G.8001]

NOTE – NNI is referred to in [ITU-T G.8112].

3.1.73 on-demand monitoring: [ITU‑T G.8013]

NOTE – On-demand monitoring is referred to in [b-ITU-T G.8110.1].

3.1.77 per-hop behaviour: [IETF RFC 3270]

NOTE – Per-hop behaviour is referred to in [b‑ITU-T G.8110.1].

3.1.80 proactive monitoring: [ITU‑T G.8001]

NOTE – Pro-active monitoring is referred to in [b-ITU-T G.8110.1].

3.1.82 protection: [ITU-T G.808]

NOTE – Protection is referred to in [b-ITU-T G.8110.1] .

3.1.85 pseudowire: [IETF RFC 5921]

NOTE – Pseudowire is referred to in [b-ITU-T G.8110.1].

3.1.88 reference point: [ITU-T G.805]

NOTE – Reference point is referred to in [b‑ITU-T G.8110.1].

3.1.90 restoration: [ITU-T G.808]

NOTE – Restoration is referred to in [b-ITU-T G.8110.1].

3.1.99 sublayer: [ITU-T G.805]

NOTE – Sublayer is referred to in [b-ITU-T G.8110.1].

3.1.100 subnetwork: [ITU-T G.805]

NOTE – Subnetwork is referred to in [b‑ITU-T G.8110.1].

3.1.101 subnetwork connection: [ITU-T G.805]

NOTE – Subnetwork connection is referred to in [b‑ITU-T G.8110.1].

3.1.104 tandem connection [ITU-T G.805]

NOTE – Tandem connection is referred to in [b-ITU-T G.8110.1].

3.1.105 termination connection point [ITU-T G.805]

NOTE – Termination connection point is referred to in [b‑ITU-T G.8110.1].

3.1.107 time to live: [IETF RFC 3031]

NOTE – Time to live is referred to in [b‑ITU-T G.8110.1].

3.1.109 trail: [ITU-T G.805]

NOTE – Trail is referred to in [b‑ITU-T G.8110.1].

3.1.110 trail termination: [ITU-T G.805]

NOTE – Trail termination is referred to in [b‑ITU-T G.8110.1].

3.1.111 transport: [ITU-T G.805]

NOTE – Transport is referred to in [b‑ITU-T G.8110.1].

3.1.114 transport entity: [ITU-T G.805]

NOTE – Transport entity is referred to in [b‑ITU-T G.8110.1].

3.1.116 traffic class: [IETF RFC 5462]

NOTE – Traffic class is referred to in [b‑ITU-T G.8110.1].

3.1.117 transport processing function: [ITU-T G.805]

NOTE – Transport processing function is referred to in [b‑ITU-T G.8110.1].

3.1.119 unidirectional connection: [ITU-T G.805]

NOTE – Unidirectional connection is referred to in [b‑ITU-T G.8110.1].

## Section 3.2

## Appendix I

|  |  |  |
| --- | --- | --- |
| Recommendation | Latest version | MPLS-TP specific definitions |
| ITU-T G.7712/Y.1703 | 09/2010 with Amd. 1 | No |
| ITU-T G.8110.1/Y.1370.1 | 12/2011 | No |
| ITU-T G.8112/Y.1371 | 08/2015 | Yes |
| ITU-T G.8113.1/Y.1372.1 | 04/2016 | Yes |
| ITU-T G.8113.2/Y.1372.2 | 08/2015 | Yes |

## Bibliography

\

[b-ITU-T G.8012] Recommendation ITU-T G.8012/Y.1308 (2004), *Ethernet UNI and Ethernet NNI*

[b-ITU-T G.8110.1] Recommendation ITU-T G.8110.1/Y.1370.1 (2011), *Architecture of the Multi-Protocol Label Switching transport profile layer network.*

[b-ITU-T G.8113.1] Recommendation ITU-T G.8113.1/Y.1372.1 (2016), *Operations, administration and maintenance mechanisms for MPLS-TP in packet transport networks*.

[b-ITU-T G.8113.2] Recommendation ITU-T G.8113.2/Y.1372.2 (2015), *Operations, administration and maintenance mechanisms for MPLS-TP networks using the tools defined for MPLS.*

[b-IETF RFC 6291] IETF RFC 6291 (2011), *Guidelines for the Use of the "OAM" Acronym in the IETF*.

[b-IETF RFC 7087] IETF RFC 7087 (2013), *A Thesaurus for the Interpretation of Terminology Used in MPLS Transport Profile (MPLS-TP) Internet-Drafts and RFCs in the Context of the ITU-T's Transport Network Recommendations*.

# Annex: Recommendation ITU-T G.8101/Y.1355 Defect Report Form

|  |  |
| --- | --- |
| **DATE:** |  |
| **CONTACT INFORMATION**  **NAME:**  **COMPANY:**  **ADDRESS:**  **TEL:**  **FAX:**  **E-MAIL:** |  |
| **AFFECTED RECOMMENDATIONS:** |  |
| **DESCRIPTION OF PROBLEM:** |  |
| **SUGGESTIONS FOR RESOLUTION:** |  |

NOTE - Attach additional pages if more space is required than is provided above.