

International Telecommunication Union

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

G.8031/Y.1342

Amendment 1
(08/2013)

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DIGITAL SYSTEMS AND NETWORKS

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For further details, please refer to the list of ITU-T Recommendations.

Recommendation ITU-T G.8031/Y.1342

Ethernet linear protection switching

Amendment 1

Clarifications to APS format

Summary

Amendment 1 to Recommendation ITU-T G.8031/Y.1342 (2011) clarifies clause 11.1 (APS format).

History

Edition	Recommendation	Approval	Study Group
1.0	ITU-T G.8031/Y.1342	2006-06-06	15
1.1	ITU-T G.8031/Y.1342 (2006) Amd. 1	2007-10-07	15
1.2	ITU-T G.8031/Y.1342 (2006) Cor. 1	2008-06-06	15
2.0	ITU-T G.8031/Y.1342	2009-11-13	15
2.1	ITU-T G.8031/Y.1342 (2009) Cor. 1	2010-09-06	15
3.0	ITU-T G.8031/Y.1342	2011-06-22	15
3.1	ITU-T G.8031/Y.1342 (2011) Cor. 1	2012-02-13	15
3.2	ITU-T G.8031/Y.1342 (2011) Amd.1	2013-08-29	15

FOREWORD

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The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

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In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

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Recommendation ITU-T G.8031/Y.1342

Ethernet linear protection switching

Amendment 1

Clarifications to APS format

1) Scope

This amendment clarifies clause 11.1 (APS format).

2) Text modifications to Recommendation ITU-T G.8031/Y.1342

The following clauses contain modifications to be made to ITU-T G.8031/Y.1342.

2.1) Modifications to clause 11.1, APS format

Change the first paragraph of clause 11.1 as follows:

APS information is carried within the APS PDU which is one of a suite of Ethernet OAM ~~PDU~~messages. OAM PDU formats for each type of Ethernet OAM operation are defined in [ITU-T Y.1731]. APS-specific information is transmitted by a MEP within specific fields in the APS PDU.

The APS messages use the Multicast Class 1 DA.

The APS PDU is identified by a specific Ethernet OAM OpCode. In this version of the Recommendation, 4 octets in the APS PDU are used to carry APS-specific information. This is illustrated in Figure 11-1. In addition, it should be noted that for the current version of this Recommendation, the TLV Offset field is required to be set to 0x04.

Change the second paragraph of clause 11.1 as follows:

The Version field shall be set to 0x00.

For other fields such as ~~Version~~, OpCode, Flags and END TLV, the following values shall be used as defined in [ITU-T Y.1731].

- a) ~~Version~~: 0x00
- b) **OpCode**: 0d39 (=0x27)
- e) **Flags**: 0x00
- d) **END TLV**: 0x00

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