

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

G.8001/Y.1354

Amendment 1
(07/2007)

SERIES G: TRANSMISSION SYSTEMS AND MEDIA,
DIGITAL SYSTEMS AND NETWORKS

Packet over Transport aspects – Ethernet over Transport
aspects

SERIES Y: GLOBAL INFORMATION
INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS
AND NEXT-GENERATION NETWORKS

Internet protocol aspects – Transport

Terms and definitions for Ethernet frames over
Transport (EoT)

Amendment 1

ITU-T Recommendation G.8001/Y.1354 (2006) –
Amendment 1

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ITU-T Recommendation G.8001/Y.1354

Terms and definitions for Ethernet frames over Transport (EoT)

Amendment 1

Summary

This amendment contains additional material to be incorporated into ITU-T Recommendation G.8001/Y.1354.

Source

Amendment 1 to ITU-T Recommendation G.8001/Y.1354 (2006) was approved on 29 July 2007 by ITU-T Study Group 15 (2005-2008) under the ITU-T Recommendation A.8 procedure.

Keywords

Ethernet, EoT, Transport.

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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ITU-T Recommendation G.8001/Y.1354

Terms and definitions for Ethernet frames over Transport (EoT)

Amendment 1

This amendment contains additional terms and definitions to be incorporated into ITU-T Rec. G.8001/Y.1354.

1 Clause 2, References

Add the following new reference:

[ITU-T G.8010 Amd.1] ITU-T Recommendation G.8010/Y.1306 (2004), *Architecture of Ethernet layer networks*, plus Amendment 1 (2006).

2 Clause 3, Definitions

The following terms and definitions are to be added to ITU-T Rec. G.8001/Y.1354:

3.25 pro-active monitoring: A method to continuously infer the status and performance of a maintenance entity group with the purpose to detect disturbances, faults and degradations immediately after their occurrence in order to verify the service level agreement and/or initiate recovery actions to restore the service to the guaranteed level.

3.26 on-demand monitoring: A method to infer a specific status or performance characteristic of a maintenance entity or a set of maintenance entities within a maintenance entity group at a specific point in time with the purpose to obtain a snapshot of the performance or to diagnose an identified fault condition or performance degradation.

3.27 ETH_CI group: A group of ETH_CI signals that is monitored as a single MEG. For this purpose, ETH OAM is added to one of the ETH_CI signals in the group.

3.28 ETH path: The highest ETH MEG level in a set of eight MEG levels.

3.29 ETH tandem connection: An intermediate ETH MEG level in a set of eight MEG levels.

3.30 ETH section: The lowest ETH MEG level in a set of eight MEG levels.

3.31 Ethernet termination flow replication point (ETHTF_PP): Connection point between <Srv>/ETH adaptation source and sink. ETH_CI from source Ethernet termination flow point (ETH_TFP) is replicated and delivered across ETHTF_PP to sink filter process.

3.32 Ethernet flow replication point (ETHF_PP): Connection point between <Srv>/ETH adaptation source and sink. ETH_CI from source Ethernet flow point (ETH_FP) is replicated and delivered across ETHF_PP to sink Ethernet termination flow point (ETH_TFP).

3.33 Ethernet replicated information (ETH_PI): Replicated ETH_CI delivered across ETHTF_PP or ETHF_PP.

3 Clause 4, Abbreviations

Add the following new abbreviation:

MEG Maintenance Entity Group

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

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