ITU-T

G.870/Y.1352

TELECOMMUNICATION STANDARDIZATION SECTOR OF ITU **Amendment 1** (06/2005)

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

Digital networks – Optical transport networks

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

Internet protocol aspects - Transport

Terms and definitions for optical transport networks (OTN)

Amendment 1

ITU-T Recommendation G.870/Y.1352 (2004) – Amendment 1



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

ITU-T Recommendation G.870/Y.1352

Terms and definitions for optical transport networks (OTN)

Amendment 1

Summary

This amendment identifies additional terminology definitions to be inserted into ITU-T Rec. G.870/Y.1352 (06/2004).

Source

Amendment 1 to ITU-T Recommendation G.870/Y.1352 (2004) was approved on 29 June 2005 by ITU-T Study Group 15 (2005-2008) under the ITU-T Recommendation A.8 procedure.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

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.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

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.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

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ITU-T Recommendation G.870/Y.1352

Terms and definitions for optical transport networks (OTN)

Amendment 1

1) Add "Clear Lockout of normal traffic signal #i"

Add new definition, 3.2.16a, as follows:

3.2.16a clear Lockout of normal traffic signal #i: Clears the Lockout of normal traffic signal #i command.

NOTE – In bidirectional 1:n switching, remote bridge requests for normal traffic signal #i will still be honoured to prevent APS protocol failures. As a result, a normal traffic signal must be locked out at both ends to prevent it being selected from the protection entity as a result of a command or fault condition at either end. Multiples of these commands may coexist for different normal traffic signals.

2) Add "extra traffic signal"

Add new definition, 3.2.25a, as follows:

3.2.25a extra traffic signal: Traffic signal that is carried over the protection transport entity and/or bandwidth when that transport entity/bandwidth is not being used for the protection of a normal traffic signal; i.e., when protection transport entity is standby. Whenever the protection transport entity/bandwidth is required to protect or restore the normal traffic on the working transport entity, the extra traffic is pre-empted. Extra traffic is not protected.

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

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