

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**G.8265.1/Y.1365.1**

**Amendment 1**  
(04/2011)

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

Packet over Transport aspects – Quality and availability  
targets

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Precision time protocol telecom profile for frequency  
synchronization

**Amendment 1**

Recommendation ITU-T G.8265.1/Y.1365.1 (2010) –  
Amendment 1

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# Recommendation ITU-T G.8265.1/Y.1365.1

## Precision time protocol telecom profile for frequency synchronization

### Amendment 1

#### Summary

Amendment 1 to Recommendation ITU-T G.8265.1/Y.1365.1 (2010) contains updates that define the usage of specific fields within the transport-specific field in IEEE 1588 messages, and clarifies that a system consisting of packet master and telecom slaves must be configured to support only a single clock hierarchy.

#### History

Edition	Recommendation	Approval	Study Group
1.0	ITU-T G.8265.1/Y.1365.1	2010-10-07	15
1.1	ITU-T G.8265.1/Y.1365.1 (2010) Amend. 1	2011-04-13	15

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# Recommendation ITU-T G.8265.1/Y.1365.1

## Precision time protocol telecom profile for frequency synchronization

### Amendment 1

#### 1) Scope

This amendment contains additional updates that define the usage of specific fields within the transport specific field in IEEE 1588 messages, and clarifies that a system consisting of packet master and telecom slaves must be configured to support only a single clock hierarchy.

#### 2) Changes to clause 6.7.3.1, Mapping of SSM quality levels to PTP clock class

*Add the following text to clause 6.7.3.1:*

NOTE – Table 1 contains the three options currently specified in [ITU-T G.781]. In a specific network deployment, both the packet masters and the telecom slaves must be configured to use the same option.

#### 3) Changes to Annex A

*In clause A.3.2, "Transport mechanisms required, permitted, or prohibited", make the following change:*

In this profile the required transport mechanism is UDP/IPv4 as per Annex D in [IEEE 1588]. Bit 0 of the transportSpecific field must be set to "0".



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