

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**G.8264/Y.1364**

**Corrigendum 2**  
(02/2012)

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Distribution of timing information through packet  
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**Corrigendum 2**

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# Recommendation ITU-T G.8264/Y.1364

## Distribution of timing information through packet networks

### Corrigendum 2

#### Summary

Corrigendum 2 to Recommendation ITU-T G.8264/Y.1364 (2008) corrects references to specific clauses in IEEE 802.3-2008.

#### History

Edition	Recommendation	Approval	Study Group
1.0	ITU-T G.8264/Y.1364	2008-10-29	15
1.1	ITU-T G.8264/Y.1364 (2008) Cor. 1	2009-11-13	15
1.2	ITU-T G.8264/Y.1364 (2008) Amd. 1	2010-09-22	15
1.3	ITU-T G.8264/Y.1364 (2008) Cor. 2	2012-02-13	15
1.4	ITU-T G.8264/Y.1364 (2008) Amd. 2	2012-02-13	15

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# Recommendation ITU-T G.8264/Y.1364

## Distribution of timing information through packet networks

### Corrigendum 2

#### 1 Scope

This corrigendum corrects references to specific clauses in IEEE 802.3-2008. Specifically, references to Annex 43B should be changed to now refer to Annex 57B.

#### 2 Changes to Recommendation ITU-T G.8264/Y.1364

##### 2.1 Changes to the text in clause 11.3.1.1

*Make the following changes to the text in clause 11.3.1.1:*

ESMC PDUs have the following fields in the order specified above:

- a) Destination address (DA): This is the IEEE-defined slow protocol multicast address. The format is defined in Annex ~~43B~~57B of [IEEE 802.3].
- b) Source address (SA): The source address is the MAC address associated with the port through which the ESMC PDU is transmitted.
- c) Slow protocol Ethertype: ESMC PDUs must be type encoded and carry the slow protocol type field value.
- d) Slow protocol subtype: Assigned by the IEEE and fixed with a value of 0x0A.
- e) ITU OUI: Organizational unique identifier assigned by the IEEE registration authority.
- f) The ITU subtype is assigned by ITU-T. The value of 00-01 applies to all usage defined in this Recommendation.
- g) Version: The four-bit field indicates the version of ITU-T OSSP frame format. This field shall contain the value 0x1 to claim compliance with version 1 of this protocol.
- h) Event flag: This bit distinguishes the critical, time-sensitive behaviour of the ESMC event PDU from the ESMC Information PDU. A value of 1 indicates an event PDU, a value of 0 indicates an information PDU.

NOTE 1 – The behaviour of the event PDU is similar to the critical event defined for Ethernet OAM in clause 57 of [IEEE 802.3]. Event messages need to meet processing times defined in [ITU-T G.781].

- i) Reserved for future standardization (27 bits). These fields are set to all zero at the transmitter and are ignored by the receiver.
- j) Data and padding: This field contains data and necessary padding to achieve the minimum frame size of 64 bytes. The PDU must be an integral number of bytes (octets). Padding characters are not defined and are ignored by receivers.

NOTE 2 – The recommended maximum size for the ESMC PDU is 128 bytes as per Annex ~~43B~~57B of [IEEE 802.3]. However, PDU sizes greater than 128 bytes may be permitted.

- k) FCS: Four-byte frame check sequence as defined in clause 4 of [IEEE 802.3].

## **2.2 Changes to the text in clause 11.3.2**

*Make the following changes to the text in clause 11.3.2:*

The ESMC PDU contains the QL TLV for synchronous Ethernet. Synchronization source selection using SSM is defined in [ITU-T G.781]. [ITU-T G.781] is applicable to both SDH and synchronous Ethernet. The protocols for carrying SSM differ for both SDH and synchronous Ethernet. Pre-processing in the appropriate atomic functions provides a uniform interface to the synchronization processing algorithm. The protocol described within this clause adheres to the requirements for slow protocols given in Annex ~~43B~~57B of [IEEE 802.3].

## **2.3 Changes to the text in clause 11.3.2.1**

*Make the following changes to the text in clause 11.3.2.1:*

In no case can more than 10 ESMC PDUs (information and/or event) be generated in any one-second period as per Annex ~~43B~~57B of [IEEE 802.3].

## **2.4 Changes to the text in clause 11.4**

*Make the following changes to the text in clause 11.4:*

NOTE – Two bytes are used to represent the length field. The suggested maximum size of a slow protocol PDU is 128 bytes as per Annex ~~43B~~57B of [IEEE 802.3]. However, slow protocol PDU lengths greater than 128 bytes are permissible.

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