

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**G.813**

**Corrigendum 1**  
(06/2005)

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

Digital networks – Design objectives for digital networks

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Timing characteristics of SDH equipment slave  
clocks (SEC)

**Corrigendum 1**

ITU-T Recommendation G.813 (2003) – Corrigendum 1

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# **ITU-T Recommendation G.813**

## **Timing characteristics of SDH equipment slave clocks (SEC)**

### **Corrigendum 1**

#### **Summary**

This corrigendum specifies in clause 7 the noise generation of 2048 kbit/s and 1544 kbit/s interfaces, that were listed as G.813 interfaces in clause 11. In addition, it improves the text of clause 7.1 for option 1 wander in locked mode.

#### **Source**

Corrigendum 1 to ITU-T Recommendation G.813 (2003) was approved on 29 June 2005 by ITU-T Study Group 15 (2005-2008) under the ITU-T Recommendation A.8 procedure.

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# ITU-T Recommendation G.813

## Timing characteristics of SDH equipment slave clocks (SEC)

### Corrigendum 1

#### 1) Clause 7.1: Wander in locked mode

*Replace the following existing text:*

##### a) Option 1

When the SEC is in the locked mode of operation, the MTIE measured using the synchronized clock configuration defined in Figure 1a/G.810 should have the limits in Table 1, if the temperature is constant (within  $\pm 1^\circ\text{K}$ ):"

*With:*

##### a) Option 1

When the SEC is in the locked mode of operation synchronized to a wander free reference, the MTIE measured, using the synchronized clock configuration defined in Figure 1a/G.810, should have the limits in Table 1, if the temperature is constant (within  $\pm 1^\circ\text{K}$ ):

#### 2) Clause 7.3: Jitter

##### a) *Replace the following current text under Option 1:*

##### **Output Jitter at a 2048 kHz interface**

In the absence of input jitter, the intrinsic jitter at a 2048 kHz output interface, as measured over a 60-second interval, should not exceed 0.05 UI peak-peak when measured through a single pole band-pass filter with corner frequencies at 20 Hz and 100 kHz.

*With:*

##### **Output Jitter at a 2048 kHz and 2048 kbit/s interface**

In the absence of input jitter, the intrinsic jitter at a 2048 kHz and 2048 kbit/s output interface, as measured over a 60-second interval, should not exceed 0.05 UI peak-peak when measured through a single pole band-pass filter with corner frequencies at 20 Hz and 100 kHz.

##### b) *Replace the following text under Option 2:*

##### b) Option 2

In the absence of input jitter at the synchronization interface, the intrinsic jitter at optical STM-N output interfaces shall be as stated in Table 7.

*With:*

##### b) Option 2

##### **Output jitter at a 1544 kbit/s interface**

In the absence of input jitter, the intrinsic jitter at a 1544 kbit/s output interface should not exceed 0.05 UI peak-peak when measured through a single pole band-pass filter with corner frequencies at 10 Hz and 40 kHz. The measurement interval is for further study.

**Output jitter at an STM-N interface**

In the absence of input jitter at the synchronization interface, the intrinsic jitter at optical STM-N output interfaces shall be as stated in Table 7.





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