

International Telecommunication Union

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

G.813

Corrigendum 2
(11/2016)

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

Digital networks – Design objectives for digital networks

Timing characteristics of SDH equipment slave
clocks (SEC)

Corrigendum 2

Recommendation ITU-T G.813 (2003) – Corrigendum 2

ITU-T



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Timing characteristics of SDH equipment slave clocks (SEC)

Corrigendum 2

Summary

This Corrigendum replaces:

- The first equation in clause 10.2, numeral a)
- The second equation in clause 10.2, numeral a) (above Figure 14).

History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T G.813	1996-08-27	13	11.1002/1000/3717
1.1	ITU-T G.813 (1996) Cor. 1	2001-11-29	15	11.1002/1000/5605
2.0	ITU-T G.813	2003-03-16	15	11.1002/1000/6268
2.1	ITU-T G.813 (2003) Cor. 1	2005-06-29	15	11.1002/1000/8526
2.2	ITU-T G.813 (2003) Cor. 2	2016-11-13	15	11.1002/1000/13084

* To access the Recommendation, type the URL <http://handle.itu.int/> in the address field of your web browser, followed by the Recommendation's unique ID. For example, <http://handle.itu.int/11.1002/1000/11830-en>.

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Recommendation ITU-T G.813

Timing characteristics of SDH equipment slave clocks (SEC)

Corrigendum 2

1) Clause 10.2, Long-term phase transient response (Holdover)

1.1) *Replace the following text and equation in clause 10.2, numeral a):*

When a SEC loses its reference, it is said to enter the holdover state. The Phase Error, ΔT , at the output of the SEC relative to the input at the moment of loss of reference should not, over any period of $S > 15$ s, exceed the following limit:

$$\Delta T(S) = \{(a_1 + a_2) S + 0.5 b S^2 + c\} \text{ [ns]}$$

With:

When an SEC loses all its references, it enters the holdover state. The phase error, ΔT , at the output of the SEC relative to the input at the moment of loss of reference should, over any period $S > 15$ s, meet the following:

$$|\Delta T(S)| \leq \{(a_1 + a_2)S + 0.5bS^2 + c\} \text{ [ns]}$$

1.2) *Replace the second equation in clause 10.2, numeral a) (above Figure 14) with:*

$$|\Delta T(S)| \leq \left(a_1 S + \frac{b}{2} S^2 + c \right) \text{ [ns]}$$

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