

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 G-SERIES RECOMMENDATIONS

TRANSMISSION SYSTEMS AND MEDIA, DIGITAL SYSTEMS AND NETWORKS

INTERNATIONAL TELEPHONE CONNECTIONS AND CIRCUITS	G.100–G.199
GENERAL CHARACTERISTICS COMMON TO ALL ANALOGUE CARRIER-TRANSMISSION SYSTEMS	G.200–G.299
INDIVIDUAL CHARACTERISTICS OF INTERNATIONAL CARRIER TELEPHONE SYSTEMS ON METALLIC LINES	G.300–G.399
GENERAL CHARACTERISTICS OF INTERNATIONAL CARRIER TELEPHONE SYSTEMS ON RADIO-RELAY OR SATELLITE LINKS AND INTERCONNECTION WITH METALLIC LINES	G.400–G.449
COORDINATION OF RADIOTELEPHONY AND LINE TELEPHONY	G.450–G.499
TRANSMISSION MEDIA AND OPTICAL SYSTEMS CHARACTERISTICS	G.600–G.699
DIGITAL TERMINAL EQUIPMENTS	G.700–G.799
DIGITAL NETWORKS	G.800–G.899
General aspects	G.800–G.809
Design objectives for digital networks	G.810–G.819
Synchronization, quality and availability targets	G.820–G.829
Network capabilities and functions	G.830–G.839
SDH network characteristics	G.840–G.849
Management of transport network	G.850–G.859
SDH radio and satellite systems integration	G.860–G.869
Optical transport networks	G.870–G.879
DIGITAL SECTIONS AND DIGITAL LINE SYSTEM	G.900–G.999
MULTIMEDIA QUALITY OF SERVICE AND PERFORMANCE – GENERIC AND USER-RELATED ASPECTS	G.1000–G.1999
TRANSMISSION MEDIA CHARACTERISTICS	G.6000–G.6999
DATA OVER TRANSPORT – GENERIC ASPECTS	G.7000–G.7999
PACKET OVER TRANSPORT ASPECTS	G.8000–G.8999
ACCESS NETWORKS	G.9000–G.9999

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

Recommendation ITU-T G.813

Timing characteristics of SDH equipment slave clocks (SEC)

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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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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.

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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:

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

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:

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

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

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

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Series D	Tariff and accounting principles and international telecommunication/ICT economic and policy issues
Series E	Overall network operation, telephone service, service operation and human factors
Series F	Non-telephone telecommunication services
Series G	Transmission systems and media, digital systems and networks
Series H	Audiovisual and multimedia systems
Series I	Integrated services digital network
Series J	Cable networks and transmission of television, sound programme and other multimedia signals
Series K	Protection against interference
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Series S	Telegraph services terminal equipment
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