

International Telecommunication Union

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

Timing characteristics of SDH equipment slave
clocks (SEC)

Corrigendum 1

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



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 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
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
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
ETHERNET 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.

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.

FOREWORD

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CONTENTS

	Page
1) Clause 7.1 Wander in locked mode	1
2) Clause 7.3 Jitter	1

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.

SERIES OF ITU-T RECOMMENDATIONS

Series A	Organization of the work of ITU-T
Series D	General tariff principles
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
Series L	Construction, installation and protection of cables and other elements of outside plant
Series M	Telecommunication management, including TMN and network maintenance
Series N	Maintenance: international sound programme and television transmission circuits
Series O	Specifications of measuring equipment
Series P	Telephone transmission quality, telephone installations, local line networks
Series Q	Switching and signalling
Series R	Telegraph transmission
Series S	Telegraph services terminal equipment
Series T	Terminals for telematic services
Series U	Telegraph switching
Series V	Data communication over the telephone network
Series X	Data networks, open system communications and security
Series Y	Global information infrastructure, Internet protocol aspects and next-generation networks
Series Z	Languages and general software aspects for telecommunication systems