

# ITU-T

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

# G.806

**Corrigendum 1**  
(10/2012)

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

Digital networks – General aspects

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Characteristics of transport equipment – Description  
methodology and generic functionality

**Corrigendum 1**

Recommendation ITU-T G.806 (2012) – 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 AND OPTICAL SYSTEMS CHARACTERISTICS	G.600–G.699
DIGITAL TERMINAL EQUIPMENTS	G.700–G.799
DIGITAL NETWORKS	G.800–G.899
<b>General aspects</b>	<b>G.800–G.809</b>
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
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.806**

## **Characteristics of transport equipment – Description methodology and generic functionality**

### **Corrigendum 1**

#### **Summary**

Corrigendum 1 to Recommendation ITU-T G.806 (2012) clarifies:

- Degraded threshold (DEGTHR) for higher rate interfaces than STM-16.
- Wait To Restore (WTR) timer value.

#### **History**

Edition	Recommendation	Approval	Study Group
1.0	ITU-T G.806	2000-10-06	15
1.1	ITU-T G.806 (2000) Amd. 1	2003-03-16	15
2.0	ITU-T G.806	2004-02-06	15
2.1	ITU-T G.806 (2004) Amd. 1	2004-06-13	15
2.2	ITU-T G.806 (2004) Cor. 1	2004-08-22	15
2.3	ITU-T G.806 (2004) Cor. 2	2005-01-13	15
3.0	ITU-T G.806	2006-03-29	15
3.1	ITU-T G.806 (2006) Amd. 1	2008-11-22	15
4.0	ITU-T G.806	2009-01-13	15
4.1	ITU-T G.806 (2009) Amd. 1	2011-06-22	15
5.0	ITU-T G.806	2012-02-13	15
5.1	ITU-T G.806 (2012) Cor. 1	2012-10-29	15

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## Recommendation ITU-T G.806

### Characteristics of transport equipment – Description methodology and generic functionality

#### Corrigendum 1

*The following corrections should be made to Recommendation ITU-T G.806 (2012).*

- 1) **Clause 6.2.3.1.2, Excessive error (dEXC) and degraded signal defects (dDEG) assuming bursty distribution of errors**

*Update Note 2 as indicated below:*

NOTE 2 – When using percentage, for higher rate interfaces, 1% is equal to a large number of blocks. For example, in an STM-16 interface, 1% is equal to a step of 30720 blocks in the interval for the multiplex section. For higher rate interfaces, provisioning values less than 1% need to be supported.

- 2) **Clause 7, Information flow (XXX\_MI) across the XXX\_MP reference points**

*Update Table 7-1 as indicated below:*

**Table 7-1 – Generic command, configuration, provisioning and reporting  
information flow over the XXX\_MP reference points**

Management point	Process within atomic function	Input ("Set")	Output ("Get")
TT_So_MP	Trace identifier	Transmitted trail trace identifier (MI_TxTI) value	
TT_Sk_MP	Termination point/port mode	Termination point mode control (MI_TPmode: MON, <u>NMON</u> ) Port mode control (MI_Portmode: MON, ( <u>AUTO</u> ), <u>NMON</u> )	
	Continuity supervision		Signal loss fault cause (MI_cLOS, MI_cUNEQ, MI_cLTC)
	Connectivity supervision	Expected trail trace identifier (MI_ExTI) value Misconnected traffic defect detection control (MI_TIMdis: <u>true</u> , false) Enable/disable AIS insertion on dTIM detection (MI_TIMAISdis: true, <u>false</u> )	Accepted (received) trail trace identifier value (MI_AcTI) Misconnected traffic fault cause (MI_cTIM)

**Table 7-1 – Generic command, configuration, provisioning and reporting information flow over the XXX\_MP reference points**

Management point	Process within atomic function	Input ("Set")	Output ("Get")
	Signal quality supervision	Poisson-based excessive defect threshold selection (MI_EXC_X: <u>10<sup>-3</sup></u> , 10 <sup>-4</sup> , 10 <sup>-5</sup> ) Poisson-based degraded defect threshold selection (MI_DEG_X: 10 <sup>-5</sup> , <u>10<sup>-6</sup></u> , 10 <sup>-7</sup> , 10 <sup>-8</sup> , 10 <sup>-9</sup> )	Poisson-based excessive errors fault cause (MI_cEXC) Poisson-based degraded errors fault cause (MI_cDEG)
		Burst-based degraded defect interval threshold selection (MI_DEGTHR: 0.. <u>(30)</u> ..100% or 0...N) <u>(Note 2)</u> Burst-based degraded defect monitor period selection (MI_DEGM: 2.. <u>10</u> )	Burst-based degraded errors fault cause (MI_cDEG)
...			
C_MP	Connection management	Matrix connection selection	
	Protection	Protection group selection (set of connection points, protection architecture: 1+1/1:n/m:n, switching type: uni-/bidirectional, operation type: revertive/non-revertive, APS usage: true/false, extra traffic: true/false) External switch commands (MI_ExtCmd: LO, FS, MS, EXER, CLR) External control command (LOW) Hold off time value (MI_HOtime) WaitToRestore value (MI_WTRtime: 0.. <u>(5)</u> ..12 minutes) <u>(Note 3)</u>	Protocol fault cause (MI_cFOP) Protection status (for further study)

NOTE\_1 – Underlined values are suggested defaults.

NOTE 2 – For higher rate interfaces, this default is undefined. Values less than 1% will need to be supported.

NOTE 3 – The value of 0 for WTR is intended to be used for testing purposes only. It is not recommended for use in operational networks.



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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
<b>Series G</b>	<b>Transmission systems and media, digital systems and networks</b>
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
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