



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

H.248.17

Corrigendum 1
(03/2004)

SERIES H: AUDIOVISUAL AND MULTIMEDIA SYSTEMS

Infrastructure of audiovisual services – Communication
procedures

Gateway control protocol: Line test packages

Corrigendum 1

ITU-T Recommendation H.248.17 (2002) – Corrigendum 1

ITU-T H-SERIES RECOMMENDATIONS
AUDIOVISUAL AND MULTIMEDIA SYSTEMS

CHARACTERISTICS OF VISUAL TELEPHONE SYSTEMS	H.100–H.199
INFRASTRUCTURE OF AUDIOVISUAL SERVICES	
General	H.200–H.219
Transmission multiplexing and synchronization	H.220–H.229
Systems aspects	H.230–H.239
Communication procedures	H.240–H.259
Coding of moving video	H.260–H.279
Related systems aspects	H.280–H.299
Systems and terminal equipment for audiovisual services	H.300–H.349
Directory services architecture for audiovisual and multimedia services	H.350–H.359
Quality of service architecture for audiovisual and multimedia services	H.360–H.369
Supplementary services for multimedia	H.450–H.499
MOBILITY AND COLLABORATION PROCEDURES	
Overview of Mobility and Collaboration, definitions, protocols and procedures	H.500–H.509
Mobility for H-Series multimedia systems and services	H.510–H.519
Mobile multimedia collaboration applications and services	H.520–H.529
Security for mobile multimedia systems and services	H.530–H.539
Security for mobile multimedia collaboration applications and services	H.540–H.549
Mobility interworking procedures	H.550–H.559
Mobile multimedia collaboration inter-working procedures	H.560–H.569
BROADBAND AND TRIPLE-PLAY MULTIMEDIA SERVICES	
Broadband multimedia services over VDSL	H.610–H.619

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

ITU-T Recommendation H.248.17

Gateway control protocol: Line test packages

Corrigendum 1

Summary

ITU-T Rec. H.248.17 describes line test components and how they are used across an MGC/MG H.248.1 interface to complete line tests. The changes incorporated by this corrigendum correct editorial errors that caused difficulty for implementers.

Source

Corrigendum 1 to ITU-T Recommendation H.248.17 (2002) was approved on 15 March 2004 by ITU-T Study Group 16 (2001-2004) under the ITU-T Recommendation A.8 procedure.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

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.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure e.g. interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

INTELLECTUAL PROPERTY RIGHTS

ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. ITU takes no position concerning the evidence, validity or applicability of claimed Intellectual Property Rights, whether asserted by ITU members or others outside of the Recommendation development process.

As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

© ITU 2004

All rights reserved. No part of this publication may be reproduced, by any means whatsoever, without the prior written permission of ITU.

Gateway control protocol: Line test packages

Corrigendum 1

...

7.1 ITU-T

7.1.1 Test line types according to ITU-T Rec. O.11

ITU-T Rec. O.11 describes test responder behaviour. For a description of this behaviour, see clause ~~98~~.

7.1.2 Automatic testing measuring equipment according to ITU-T Rec. O.22

7.1.2.1 Absolute power level measurements 3.1/O.22

To provide the procedures of 3.1.1/O.22 over an MCG/MG interface, the MGC at the access point at the input to the path to be measured shall request the MG via the signals, "itult404/tt404hz_10", "itult1020/tt1020hz_10", "itult2804/tt2804hz_10" to initiate tones of the indicated frequencies.

...

7.1.2.3 Signal-to-total-distortion ratio measurements 3.3/O.22

To provide the procedures of 3.3.1/O.22 over an MCG/MG interface, the MGC at the access point at the input to the path to be measured shall request the MG via the signal "itult1020/tt1020hz", to initiate tones for Signal-total-distortion ratio measurement. ~~The MG may decide to use levels -10 dBm0, -25 dBm0 or 0 dBm0.~~

...

7.1.2.4.1 Absolute power level measurements 3.4.1/O.22

To provide the procedures of 3.4.1/O.22 over an MCG/MG interface, the MGC at the access point at the input to the path to be measured shall request the MG via the signals, "itult1020/tt1020hz_10", "itultdis/tt2100hz_dis", "itultdisecd/tt2100hz_disecd", "itult2804/tt2804hz_10", "itultntt/noise" to initiate tones of the indicated frequencies.

...

7.1.2.6 Transmission tests to a digital loopback test line 3.5.2/O.22

To provide the procedures of 3.5.2/O.22 over an MCG/MG interface, the MGC at the access point at the input to the path to be measured shall request the MG, via the signals "itult404/tt404hz_10", "itult1020/tt1020hz_10", "itultdis/tt2100hz_dis", "itultdisecd/tt2100hz_disecd" or "itult2804/tt2804hz_10", to initiate tones of the indicated frequency. At the access point where the loopback is to be initiated, the procedures of 8.1.1.5 apply.

...

7.3 TTC line tests

See ~~98~~.3 for testee procedures.

...

SERIES OF ITU-T RECOMMENDATIONS

Series A	Organization of the work of ITU-T
Series B	Means of expression: definitions, symbols, classification
Series C	General telecommunication statistics
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	TMN and network maintenance: international transmission systems, telephone circuits, telegraphy, facsimile and leased circuits
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 and open system communications
Series Y	Global information infrastructure, Internet protocol aspects and Next Generation Networks
Series Z	Languages and general software aspects for telecommunication systems