

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

M.3170.0

Amendment 1
(04/2015)

SERIES M: TELECOMMUNICATION MANAGEMENT,
INCLUDING TMN AND NETWORK MAINTENANCE

Telecommunications management network

Multi-technology network management – Introduction and
supporting documentation

Amendment 1: Upgrade to MTNM Release 3.5

Recommendation ITU-T M.3170.0 (2007) –
Amendment 1

ITU-T M-SERIES RECOMMENDATIONS

TELECOMMUNICATION MANAGEMENT, INCLUDING TMN AND NETWORK MAINTENANCE

Introduction and general principles of maintenance and maintenance organization	M.10–M.299
International transmission systems	M.300–M.559
International telephone circuits	M.560–M.759
Common channel signalling systems	M.760–M.799
International telegraph systems and phototelegraph transmission	M.800–M.899
International leased group and supergroup links	M.900–M.999
International leased circuits	M.1000–M.1099
Mobile telecommunication systems and services	M.1100–M.1199
International public telephone network	M.1200–M.1299
International data transmission systems	M.1300–M.1399
Designations and information exchange	M.1400–M.1999
International transport network	M.2000–M.2999
Telecommunications management network	M.3000–M.3599
Integrated services digital networks	M.3600–M.3999
Common channel signalling systems	M.4000–M.4999

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

Recommendation ITU-T M.3170.0

Multi-technology network management – Introduction and supporting documentation

Amendment 1

Upgrade to MTNM Release 3.5

Summary

The current in-force ITU-T M.3170.x series of Recommendations provides the MTNM solution suite v3.0 from TM Forum. A newer version of MTNM has been applied across the industry (i.e., Release 3.5). In order to support conformance testing for this series of Recommendations within ITU-T, Amendment 1 to Recommendation ITU-T M.3170.0 (2007) provides the upgraded information from MTNM v3.0 to MTNM release 3.5, including updated references to TMF Release 3.5-related specifications. More detailed updates will be provided while upgrading to TMF MTNM Release 4.0 or 4.5 when it is more stable and fully supported by the industry.

History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T M.3170.0	2007-03-16	4	11.1002/1000/9076
1.1	ITU-T M.3170.0 (2007) Amd. 1	2015-04-29	2	11.1002/1000/12468

* 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>.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). 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, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database at <http://www.itu.int/ITU-T/ipr/>.

© ITU 2015

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

Recommendation ITU-T M.3170.0

Multi-technology network management – Introduction and supporting documentation

Amendment 1

Upgrade to MTNM Release 3.5

1) Clause 2, References

Add the following references to clause 2:

[TMF MTNM R3.5] TM Forum, *Multi-Technology Network Management (MTNM) Solution Suite Release 3.5* (2008) (consisting of [TMF513 R3.5], [TMF608 R3.5], [TMF814 R3.5] and [TMF814A R3.5] and the MTNM Documentation Guide), except for the tables of references contained in Appendix B of [TMF513] and Appendix B of [TMF608].

NOTE 5 – Refer to Notes 6 and 7 for an explanation of this exception.

[TMF513 R3.5] TMF513 Version 3.2 (August 2008), *Multi-Technology Network Management (MTNM) Information Agreement Release 3.5*, except for the table of references contained in Appendix B, TM Forum.

[TMF608 R3.5] TMF608 Version 3.2 (August 2008), *Multi-Technology Network Management (MTNM) Information Agreement Release 3.5*, Rational Rose™ (UML) version and generated HTML version, except for the table of references contained in Appendix B, TM Forum.

[TMF 814 R3.5] TMF814 Version 3.2 (August 2008), *Multi-Technology Network Management (MTNM) Solution Set Release 3.5*, TM Forum.

[TMF814A R3.5] TMF814A Version 3.1 (March 2007), *Multi-Technology Network Management (MTNM) Implementation Statement Templates and Guidelines Release 3.5*, TM Forum.

2) Clause 7, Referencing the TM Forum MTNM document set in ITU-T Recommendations

Replace the following existing text:

- M.3170.0 references the MTNM Solution Suite [TMF MTNM v3.0];
- M.3170.1 references the MTNM Business Agreement (BA) [TMF513];
- M.3170.2 references the MTNM Information Agreement (IA) [TMF608];
- M.3170.3 references the MTNM CORBA Solution Set (SS) [TMF814] and the MTNM Implementation Statement (IS) for CORBA [TMF814A].

with the following:

- M.3170.0 references the MTNM Solution Suite [TMF MTNM R3.5];
- M.3170.1 references the MTNM Business Agreement (BA) [TMF513 R3.5];
- M.3170.2 references the MTNM Information Agreement (IA) [TMF608 R3.5];

- M.3170.3 references the MTNM CORBA Solution Set (SS) [TMF814 R3.5] and the MTNM Implementation Statement (IS) for CORBA [TMF814A R3.5].

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	Environment and ICTs, climate change, e-waste, energy efficiency; 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	Terminals and subjective and objective assessment methods
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