International Telecommunication Union

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

M.3016.3

Amendment 1

(07/2011)

SERIES M: TELECOMMUNICATION MANAGEMENT, INCLUDING TMN AND NETWORK MAINTENANCE

Telecommunications management network

Security for the management plane: Security mechanism

Amendment 1: Redundant authentication extension

Recommendation ITU-T M.3016.3 (2005) – Amendment 1

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TELECOMMUNICATION MANAGEMENT, INCLUDING TMN AND NETWORK MAINTENANCE

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Recommendation ITU-T M.3016.3

Security for the management plane: Security mechanism

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Redundant authentication extension

Summary

Amendment 1 to Recommendation ITU-T M.3016.3 adds new mechanism MEC 43 to Rec. ITU-T M.3016.3. MEC 43 corresponds to REQ 61, which was introduced by Amendment 1 to Rec. ITU-T M.3016.1.

History

Edition	Recommendation	Approval	Study Group
1.0	ITU-T M.3016.3	2005-04-13	4
1.1	ITU-T M.3016.3 (2005) Amd. 1	2011-07-14	2

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.

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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/.

Recommendation ITU-T M.3016.3

Security for the management plane: Security mechanism

Amendment 1

Redundant authentication extension

1 Scope

This amendment contains extensions to Rec. ITU-T M.3016.3 (2005).

2 Additions

Add new clause 6.1.4

6.1.4 Redundant authentication

The authentication service may be unavailable in case of a network or server fault, or of an overload on the authentication server that makes it fail to respond in time. Redundant authentication servers can provide the authentication service in case the main server is unavailable. Different modes of relationship between authentication servers are possible, e.g., active-active mode or standby mode. In active-active mode load balancing is also possible.

MEC 43: A redundant authentication server is provided, in addition to the main authentication server, either for backup or load balancing.

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Series Y	Global information infrastructure, Internet protocol aspects and next-generation networks
Series Z	Languages and general software aspects for telecommunication systems

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