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SERIES M: TELECOMMUNICATION MANAGEMENT, INCLUDING TMN AND NETWORK MAINTENANCE

Designations and information exchange

Formalization of orders for service management among operators

ITU-T Recommendation M.1405

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ITU-T Recommendation M.1405

Formalization of orders for service management among operators

Summary

ITU-T Recommendation M.1405 defines orders and additional information intended primarily for human-to-human communication between various operators, i.e., network operators or service providers.

The orders contain data for designations of interconnections and other information about services that are required to be communicated between operators.

This Recommendation extends ITU-T Rec. M.1402 and ensures use of M.1402 in orders among operators.

This Recommendation is developed in order to facilitate computerized interoperation between telecommunication operators.

As the data defined in this Recommendation are designed for human usage, they are independent of the functions in which they are used. Hence, the data may be applied in any functions, e.g., in customer requests, call centres, billing, service platforms, etc.

Source

ITU-T Recommendation M.1405 was approved on 6 August 2007 by ITU-T Study Group 4 (2005-2008) under the ITU-T Recommendation A.8 procedure.

Keywords

Data definitions, designations, domestic, interconnection, international, messages, operator, orders, terminology, X interface.

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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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Introduction

This Recommendation defines order designations and additional information intended primarily for human-to-human communication between various operators, i.e., network operators or service providers within the context of an external terminology schema in end user terminology.

The area of interest is the communication of orders between operators about network interconnections and telecommunication services. The objects of communication are telecommunication services and network resources.

This Recommendation focuses on human needs for stable and recognizable data formats independently of the media they are communicated over. Therefore, in order to support the human-to-human communication, the formats defined in this Recommendation are required to be provided at the corresponding human-to-computer interfaces, as well. Hence, this Recommendation defines the formats of data at human-to-computer interfaces, but does not define the data communication formats for interfaces between computer systems, such as at the TMN X interface or non-TMN computer interfaces. However, it must be possible to automatically map the human-to-computer formats to the computer-to-computer formats and vice versa. The details of this mapping are for further study.

Use of this Recommendation inside national jurisdictions will be the result of bilateral negotiation between the operators and/or national regulatory activity. Although compliance with all ITU-T Recommendations is voluntary, special mention is made for ITU-T Rec. M.1405 due to the sensitivity of designations for interconnection from a regulatory and legal standpoint. This extension greatly increases the number of routes and nodes to be identified, and in this way extends the name spaces to be provided.

This Recommendation defines orders and additional information to be exchanged between two operators. While it defines order and message identification, it does not define data on the status or processing of these orders or messages. In that regard, this Recommendation can be considered as an adaptation or extension of ICT industry standards, e.g., OASIS UBL. ICT industry standards for such data may impose additional requirements on human-to-computer interfaces.

The definition of information is common for the functions it supports.

This Recommendation aims at supporting communication among service providers and network operators, but may also support communication between brokers, retailers, customers and installation providers.

This Recommendation aims at defining designations of orders and additional information for service personnel, technicians and file support personnel at their terminals supporting the services and network, and serves as design information for developers of operational support systems.

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