

TELECOMMUNICATION STANDARDIZATION SECTOR

OF ITU

X.419 Amendment 1 (12/97)

SERIES X: DATA NETWORKS AND OPEN SYSTEM COMMUNICATIONS

Message Handling Systems

Information Technology – Message Handling Systems (MHS): Protocol specifications

Amendment 1: Use of ISO/IEC 10646 characters in OR-addresses

ITU-T Recommendation X.419 - Amendment 1

(Previously CCITT Recommendation)

ITU-T X-SERIES RECOMMENDATIONS

DATA NETWORKS AND OPEN SYSTEM COMMUNICATIONS

PUBLIC DATA NETWORKS	
Services and facilities	X.1-X.19
Interfaces	X.20-X.49
Transmission, signalling and switching	X.50-X.89
Network aspects	X.90-X.149
Maintenance	X.150-X.179
Administrative arrangements	X.180-X.199
OPEN SYSTEM INTERCONNECTION	
Model and notation	X.200-X.209
Service definitions	X.210-X.219
Connection-mode protocol specifications	X.220-X.229
Connectionless-mode protocol specifications	X.230-X.239
PICS proformas	X.240-X.259
Protocol Identification	X.260-X.269
Security Protocols	X.270-X.279
Layer Managed Objects	X.280-X.289
Conformance testing	X.290-X.299
INTERWORKING BETWEEN NETWORKS	
General	X.300-X.349
Satellite data transmission systems	X.350-X.399
MESSAGE HANDLING SYSTEMS	X.400-X.499
DIRECTORY	X.500-X.599
OSI NETWORKING AND SYSTEM ASPECTS	
Networking	X.600-X.629
Efficiency	X.630-X.639
Quality of service	X.640-X.649
Naming, Addressing and Registration	X.650-X.679
Abstract Syntax Notation One (ASN.1)	X.680-X.699
OSI MANAGEMENT	
Systems Management framework and architecture	X.700-X.709
Management Communication Service and Protocol	X.710-X.719
Structure of Management Information	X.720-X.729
Management functions and ODMA functions	X.730-X.799
SECURITY	X.800-X.849
OSI APPLICATIONS	
Commitment, Concurrency and Recovery	X.850-X.859
Transaction processing	X.860-X.879
Remote operations	X.880-X.899
OPEN DISTRIBUTED PROCESSING	X.900-X.999

 $For {\it further details, please refer to ITU-TList of Recommendations.}$

INTERNATIONAL STANDARD 10021-6

ITU-T RECOMMENDATION X.419

INFORMATION TECHNOLOGY – MESSAGE HANDLING SYSTEMS (MHS): PROTOCOL SPECIFICATIONS

AMENDMENT 1 Use of ISO/IEC 10646 characters in OR-addresses

Summary

This Amendment contains an enhancement on use of ISO/IEC 10646 characters in OR-addresses.

Source

The ITU-T Recommendation X.419, Amendment 1 was approved on the 12th of December 1997. The identical text is also published as ISO/IEC International Standard 10021-6.

FOREWORD

ITU (International Telecommunication Union) is the United Nations Specialized Agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the ITU. The 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 Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 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, the 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.

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CONTENTS

		Page
1)	Subclause B.2.8	

ISO/IEC 10021-6: 1996/Amd.1: 1998 (E)

INTERNATIONAL STANDARD

ITU-T RECOMMENDATION

INFORMATION TECHNOLOGY – MESSAGE HANDLING SYSTEMS (MHS): PROTOCOL SPECIFICATIONS

AMENDMENT 1 Use of ISO/IEC 10646 characters in OR-addresses

1) Subclause B.2.8

Insert two new paragraphs before the existing first paragraph:

If the **OR-address** contains any attributes encoded both as Universal Strings (either the UniversalString or BMPString ASN.1 type) and as one of the other available string types, the Universal Strings should be deleted.

If the **OR-address** contains any attributes encoded only as Universal Strings and all the characters in those strings are from the printable string repertoire, the Universal Strings may be replaced by the equivalent printable strings; otherwise the **OR-address** cannot be downgraded.

NOTE – Implementations conforming to earlier editions of this Specification will not perform any processing related to Universal Strings. Such implementations will be unable to downgrade addresses containing Universal Strings unless printable or teletex string equivalents are present, and may refuse to downgrade addresses even if the equivalents are present.

ITU-T RECOMMENDATIONS SERIES

Series A	Organization of the work of the 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	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
Series Z	Programming languages