

ISO/IEC 10021-6:2003-12 (E)

Information technology - Message Handling Systems (MHS): Protocol specifications

CONTENTS

	<i>Page</i>
SECTION 1 – INTRODUCTION	1
1 Scope	1
2 Normative References	1
2.1 Open Systems Interconnection	2
2.2 Message Handling Systems	2
2.3 Directory Systems	2
3 Definitions	3
4 Abbreviations	3
5 Conventions	3
5.1 Terms	3
5.2 Abstract Syntax Definitions	3
SECTION 2 – MESSAGE HANDLING SYSTEM ACCESS PROTOCOL SPECIFICATIONS	3
6 Overview of the MHS Access Protocols	3
6.1 MHS Access Protocol Model	3
6.2 Services Provided by the MTS Access Protocol	6
6.3 Services Provided by the MS Access Protocol	7
6.4 Use of Underlying Services	7
6.4.1 Use of ROSE Services	7
6.4.2 Use of RTSE Services	8
6.4.3 Use of ACSE Services	8
6.4.4 Use of the Presentation-service	8
7 MTS Access Protocol Abstract Syntax Definition	8
8 MS Access Protocol Abstract Syntax Definition	14
9 Mapping onto Used Services	19
9.1 Application-contexts omitting RTSE	19
9.1.1 Mapping onto ACSE	19
9.1.2 Mapping onto ROSE	20
9.2 Application-contexts including RTSE	20
9.2.1 Mapping onto RT-OPEN and RT-CLOSE	20
9.2.2 Mapping onto ROSE	21
9.3 MS Access Application-context Negotiation	21
9.3.1 Application Context Name	21
9.3.2 User Information	21
9.3.3 Presentation Context Definition List	22
10 Conformance	22
10.1 Statement Requirements	23
10.2 Static Requirements	24
10.3 Dynamic Requirements	24
SECTION 3 – MESSAGE TRANSFER SYSTEM TRANSFER PROTOCOL SPECIFICATION	24
11 Overview of the MTS Transfer Protocol	24
11.1 Model	24
11.2 Services Provided by the MTS Transfer Protocol	25
11.3 Use of Underlying Services	26
11.3.1 Use of the RTSE Services	26
11.3.2 Use of the ACSE Services	26
11.3.3 Use of the Presentation-service	26
11.4 Establishing and Releasing Associations	27
12 MTS Transfer Protocol Abstract Syntax Definition	27
13 Mapping onto Used Services	29
13.1 Mapping onto RTSE normal mode	29
13.1.1 Mapping onto RT-OPEN and RT-CLOSE	29
13.1.2 Mapping onto RT-TRANSFER	30

	<i>Page</i>	
13.1.3	Managing the Turn.....	30
13.1.4	Use of the RT-P-ABORT Service.....	31
13.1.5	Use of the RT-U-ABORT Service.....	31
13.2	Mapping onto RTSE X.410-1984 mode.....	31
13.2.1	Mapping onto RT-OPEN and RT-CLOSE.....	31
13.2.2	Mapping onto RT-TRANSFER.....	32
13.2.3	Managing the Turn.....	32
13.2.4	Use of the RT-P-ABORT Service.....	32
13.2.5	Use of the RT-U-ABORT Service.....	32
14	Conformance.....	32
14.1	Statement Requirements.....	33
14.2	Static Requirements.....	33
14.3	Dynamic Requirements.....	33
Annex A – Reference Definition of MHS Protocol Object Identifiers.....		34
Annex B – Interworking with 1984 Systems.....		36
B.1	Association Establishment.....	36
B.1.1	Initiator-credentials/Responder-credentials.....	36
B.1.2	Security-context.....	36
B.1.3	Bind-error.....	36
B.2	Rules for Transferring to 1984 systems.....	36
B.2.1	Extensions.....	37
B.2.2	Per-domain-bilateral-information.....	37
B.2.3	Trace-information/Subject-intermediate-trace-information.....	37
B.2.4	Originator-name/Report-destination-name.....	37
B.2.5	Per-recipient-fields of Message- or Probe-Transfer.....	37
B.2.6	Per-recipient-fields of Report-transfer.....	37
B.2.7	OR-name.....	37
B.2.8	OR-address.....	37
B.2.9	Encoded-information-types.....	38
B.2.10	Content-type and Content.....	38
B.3	Rules for Receiving from 1984 systems.....	38
B.3.1	Message originating from 1984 systems.....	38
B.3.2	Messages that have previously been downgraded.....	39
B.3.3	Messages containing Domain-defined-attribute of type "common".....	39
B.4	Service Irregularities.....	39
Annex C – Summary of Changes to Previous Editions.....		40
C.1	Differences between 1984 and 1988 CCITT MHS protocols.....	40
C.1.1	MTS Access Protocol (P3) Differences.....	40
C.1.2	MTS Transfer Protocol (P1) Differences.....	42
C.2	Changes introduced in the 1994 MHS protocols.....	42
C.2.1	MTS Access Protocol (P3) differences.....	43
C.2.2	MS Access Protocol (P7) differences.....	43
C.3	Changes introduced in the 1998/9 edition.....	43
C.3.1	OR-name.....	43
C.3.2	Report-delivery.....	43
Annex D – Differences between ISO/IEC 10021-6 and ITU-T Recommendation X.419.....		44
Annex E – Use of Lower Layer Services.....		45
E.1	Use of Lower Layer Services by MHS Access Protocols.....	45
E.2	Use of Lower Layer Services by the MTS Transfer Protocol.....	45
Annex F – Index.....		46