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**Information technology — International
Standardized Profiles AMH2n — Message
Handling Systems — Interpersonal
Messaging —**

Part 4:

AMH23 — IPM Requirements for MTS
Access (P3)

*Technologies de l'information — Profils normalisés internationaux
AMH2n — Systèmes de messagerie — Messagerie entre personnes —
Partie 4: AMH23 — Prescriptions IPM pour accès à MTS (P3)*



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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC1. In addition to developing International Standards, ISO/IEC JTC1 has created a Special Group on Functional Standardization for the elaboration of International Standardized Profiles.

An International Standardized Profile is an internationally agreed, harmonized document which identifies a standard or group of standards, together with options and parameters, necessary to accomplish a function or set of functions.

Draft International Standardized Profiles are circulated to national bodies for voting. Publication as an International Standardized Profile requires approval by at least 75% of the national bodies casting a vote.

International Standardized Profile ISO/IEC ISP 12062-4 was prepared with the collaboration of:

- OSI Asia-Oceania Workshop (AOW);
- European Workshop for Open Systems (EWOS) [jointly with the European Telecommunications Standards Institute (ETSI)];
- OSE Implementors' Workshop (OIW).

ISO/IEC ISP 12062 consists of the following parts, under the general title *Information technology - International Standardized Profiles AMH2n - Message Handling Systems - Interpersonal Messaging*:

- *Part 1 : IPM MHS Service Support*
- *Part 2 : AMH21 - IPM Content*
- *Part 3 : AMH22 - IPM Requirements for Message Transfer (P1)*
- *Part 4 : AMH23 - IPM Requirements for MTS Access (P3)*
- *Part 5 : AMH24 - IPM Requirements for Enhanced MS Access (P7)*

Annexes A, B and C form an integral part of this part of ISO/IEC ISP 12062.

Introduction

This part of ISO/IEC ISP 12062 is defined within the context of Functional Standardization, in accordance with the principles specified by ISO/IEC TR 10000, "Framework and Taxonomy of International Standardized Profiles". The context of Functional Standardization is one part of the overall field of Information Technology (IT) standardization activities, covering base standards, profiles, and registration mechanisms. A profile defines a combination of base standards that collectively perform a specific well-defined IT function. Profiles standardize the use of options and other variations in the base standards, and provide a basis for the development of uniform, internationally recognized system tests.

One of the most important rôles for an ISP is to serve as the basis for the development (by organizations other than ISO and IEC) of internationally recognized tests and test centres. ISPs are produced not simply to 'legitimize' a particular choice of base standards and options, but to promote real system interoperability. The development and widespread acceptance of tests based on this and other ISPs is crucial to the successful realization of this goal.

The text for this part of ISO/IEC ISP 12062 was developed in close cooperation between the MHS Expert Groups of the three Regional Workshops: the North American OSE Implementors' Workshop (OIW), the European Workshop for Open Systems (EWOS) (jointly with the corresponding expert group of the European Telecommunications Standards Institute - ETSI) and the OSI Asia-Oceania Workshop (AOW). This part of ISO/IEC ISP 12062 is harmonized between these three Workshops and it has been ratified by the plenary assemblies of all three Workshops.

Information technology – International Standardized Profiles AMH2n – Message Handling Systems – Interpersonal Messaging –

Part 4 : AMH23 - IPM Requirements for MTS Access (P3)

1 Scope

1.1 General

This part of ISO/IEC ISP 12062 covers access to a Message Transfer System (MTS) in an Interpersonal Messaging (IPM) environment using the P3 MTS Access Protocol (see also figure 1). These specifications form part of the Interpersonal Messaging application functions, as defined in the parts of ISO/IEC ISP 12062, and are based on the Common Messaging content type-independent specifications in ISO/IEC ISP 10611.

1.2 Position within the taxonomy

This part of ISO/IEC ISP 12062 is the fourth part of a multipart ISP identified in ISO/IEC TR 10000-2 as "AMH2, Message Handling Systems - Interpersonal Messaging" (see also ISO/IEC TR 10000-1, 8.2 for the definition of multipart ISPs).

This part of ISO/IEC ISP 12062 specifies the following profile:

AMH23 - IPM Requirements for MTS Access (P3)

The AMH23 profile may be combined with any T-Profiles (see ISO/IEC TR 10000) specifying the OSI connection-mode Transport service.

1.3 Scenario

The model used is one of access to an MTS by an IPM MTS-user - specifically, the intercommunication between a message transfer agent (MTA) and an IPM MTS-user using the P3 protocol, as shown in figure 1.

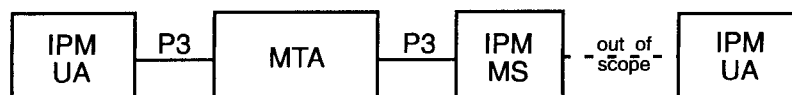


Figure 1 - AMH23 scenario

The AMH23 profile covers all aspects of the MTS Abstract Service, as defined in clause 8 of ISO/IEC 10021-4, when realized using the P3 protocol in an IPM environment.

The OSI upper layer services and protocols to support the Message Handling Systems functions covered by the AMH23 profile are specified in subclause 1.3 of ISO/IEC ISP 10611-4.

2 Normative references

The following documents contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC ISP 12062. At the time of publication, the editions indicated were valid. All documents are subject to revision, and parties to agreements based on this part of ISO/IEC ISP 12062 are warned against automatically applying any more recent editions of the documents listed below, since the nature of references made by ISPs to such documents is that they may be specific to a particular edition. Members of IEC and ISO maintain registers of currently valid International Standards and ISPs, and the Telecommunications Standardization Bureau of the ITU maintains a list of currently valid ITU-T Recommendations.

Amendments and corrigenda to the base standards referenced are listed in annex C.

NOTE - References in the body of this part of ISO/IEC ISP 12062 to specific clauses of ISO/IEC documents shall be considered to refer also to the corresponding clauses of the equivalent ITU-T Recommendations (as noted below) unless otherwise stated.

ISO/IEC TR 10000-1: 1992, *Information technology - Framework and taxonomy of International Standardized Profiles - Part 1: Framework*.

ISO/IEC TR 10000-2: 1994, *Information technology - Framework and taxonomy of International Standardized Profiles - Part 2: Principles and taxonomy for OSI profiles*.

ISO/IEC 10021-1: 1990, *Information technology - Text Communication - Message-Oriented Text Interchange Systems (MOTIS) - Part 1: System and Service Overview*. [see also CCITT Recommendation X.400(1992)]

ISO/IEC 10021-2: 1990, *Information technology - Text Communication - Message-Oriented Text Interchange Systems (MOTIS) - Part 2: Overall Architecture*. [see also CCITT Recommendation X.402(1992)]

ISO/IEC 10021-4: 1990, *Information technology - Text Communication - Message-Oriented Text Interchange Systems (MOTIS) - Part 4: Message Transfer System: Abstract Service Definition and Procedures*. [see also CCITT Recommendation X.411(1992)]

ISO/IEC 10021-6: 1990, *Information technology - Text Communication - Message-Oriented Text Interchange Systems (MOTIS) - Part 6: Protocol Specifications*. [see also CCITT Recommendation X.419(1992)]

ISO/IEC ISP 10611-4: 1994, *Information technology - International Standardized Profiles AMH1n - Message Handling Systems - Common Messaging - Part 4: AMH12 - MTS Access (P3)*.

ISO/IEC ISP 12062-1: 1995, *Information technology - International Standardized Profiles AMH2n - Message Handling Systems - Interpersonal Messaging - Part 1: IPM MHS Service Support*.

ISO/IEC ISP 12062-2: 1995, *Information technology - International Standardized Profiles AMH2n - Message Handling Systems - Interpersonal Messaging - Part 2: IPM Content*.

CCITT Recommendation X.400(1992), *Message handling system and service overview*.

CCITT Recommendation X.402(1992), *Message handling systems: Overall architecture*.

CCITT Recommendation X.411(1992), *Message handling systems: Message transfer system: Abstract service definition and procedures*.

CCITT Recommendation X.419(1992), *Message handling systems: Protocol specifications*.

3 Definitions

For the purposes of this part of ISO/IEC ISP 12062, the following definitions apply.