

INTERNATIONAL STANDARDIZED PROFILE

**ISO/IEC
ISP
12063-3**

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Information technology — International Standardized Profiles AMH3n — Message Handling Systems — EDI Messaging —

Part 3: AMH32 — EDIMG Requirements for Message Transfer (P1)

*Technologies de l'information — Profils normalisés internationaux
AMH3n — Systèmes de messagerie — Messagerie EDI —*

Partie 3: AMH32 — Prescriptions EDIMG pour transfert de messages (P1)



Contents

	Page
Foreword.....	iii
Introduction.....	v
1 Scope	1
2 Normative references	2
3 Definitions.....	3
4 Abbreviations.....	3
5 Conformance.....	4

Annexes

A ISPICS Proforma for ISO/IEC ISP 12063-3 (AMH32).....	5
B ISPICS Requirements List for ISO/IEC ISP 12063-3 (AMH32).....	8
C Amendments and corrigenda	10
D Bibliography	11

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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 JTC 1. In addition to developing International Standards, ISO/IEC JTC 1 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 a 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 12063-3 was prepared with the collaboration of

- Asia-Oceania Workshop (AOW);
- European Workshop for Open Systems (EWOS);
- Open Systems Environment Implementors' Workshop (OIW).

This second edition cancels and replaces the first edition (ISO/IEC ISP 12063-3:1995), which has been technically revised.

ISO/IEC ISP 12063 consists of the following parts, under the general title *Information technology - International Standardized Profiles AMH3n - Message Handling Systems - EDI Messaging*:

- Part 1: EDIMG MHS Service Support
- Part 2: AMH31 - EDIMG Content
- Part 3: AMH32 - EDIMG Requirements for Message Transfer (P1)
- Part 4: AMH33 and AMH35 - EDIMG Requirements for MTS Access (P3) and MTS 94 Access (P3)
- Part 5: AMH34 - EDIMG Requirements for Enhanced MS Access (P7)
- Part 6: AMH36 - EDIMG Requirements for Enhanced MS 94 Access (P7)

NOTE - Part 6 is not yet published.

Annexes A, B and C form an integral part of this part of ISO/IEC ISP 12063. Annex D is for information only.

Introduction

This part of ISO/IEC ISP 12063 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 roles for an ISP is to serve as the basis for the development (by organizations other than ISO and IEC) of internationally recognized tests. 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 12063 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 12063 is harmonized between these three Workshops and it has been ratified by the plenary assemblies of all three Workshops.

Information technology – International Standardized Profiles AMH3n – Message Handling Systems – EDI Messaging –

Part 3: AMH32 – EDIMG Requirements for Message Transfer (P1)

1 Scope

1.1 General

This part of ISO/IEC ISP 12063 covers message transfer between Message Transfer Agents (MTAs) in an EDI Messaging (EDIMG) environment using the P1 Message Transfer Protocol (see also figure 1). These specifications form part of the EDI Messaging application functions, as defined in the parts of ISO/IEC ISP 12063, 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 12063 is the third part of a multipart ISP identified in ISO/IEC TR 10000-2 as “AMH3, Message Handling Systems - EDI Messaging” (see also ISO/IEC TR 10000-1, subclause 8.2 for the definition of multipart ISPs).

This part of ISO/IEC ISP 12063 specifies the following profile:

AMH32 - EDIMG Requirements for Message Transfer (P1)

The AMH32 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 two or more MTAs intercommunicating within a Message Transfer System (MTS) using the P1 protocol, as shown in figure 1.

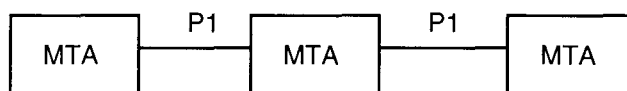


Figure 1 - AMH32 scenario

NOTE - In an ITU-T context, a domain may be treated as an MTA for the purposes of conformance to the AMH32 profile.

The AMH32 profile covers all aspects of the MTA Abstract Service, as defined in clause 12 of ISO/IEC 10021-4, when realised using the P1 protocol in an EDIMG environment.

The OSI upper layer services and protocols to support the Message Handling Systems functions covered by the AMH32 profile are specified in subclause 1.3 of ISO/IEC ISP 10611-3.