

INTERNATIONAL STANDARD

AMENDMENT 1

**Information technology – Implementation and operation of customer premises
cabling –
Part 2: Planning and installation**

Withhold

ISO/IEC 14763-2:2012/AMD1:2015

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**Information technology – Implementation and operation of customer premises cabling –
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FOREWORD

Amendment 1 to International Standard ISO/IEC 14763-2 has been prepared by subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology.

This International Standard has been approved by vote of the member bodies, and the voting results may be obtained from the address given on the second title page.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

3 Definitions and abbreviations

3.1 Terms and definitions

Add, at the end of the existing list, after 3.1.63, the following new terms and definitions:

3.1.64

automated infrastructure management system

AIM system

integrated hardware and software which automatically detects the insertion or removal of cords and documents the cabling infrastructure including connected equipment enabling management of the infrastructure and data exchange with other systems

3.1.65

discoverable equipment

equipment with a network address

Note 1 to entry: Discoverable equipment could be treated as non-discoverable equipment per end user choice.

3.2 Abbreviations

Insert in the list of abbreviations, after "AC", the following new abbreviation:

AIM automated infrastructure management

Insert in the list of abbreviations, after "LV", the following new abbreviation:

MAC move, add, change

Table 14 – Minimum requirements of operational administration systems

Replace, in the 9th row, "Operational complexity" by "Operational complexity level".

Replace, in the 10th row, "(see Note 2)" by "(see Notes 2 and 3)".

Replace, in the 11th row, "(see Note 2)" by "(see Note 3)".

Replace, in NOTE 2, the last sentence of the first paragraph, by the following new paragraph and make this NOTE 3:

NOTE 3 Automated records include the data from automated infrastructure management (AIM) systems that detect connection/disconnection of cords and the presence of discoverable equipment connected to the network. Requirements and recommendations for specifying and operating AIM systems are provided in Annex H.

Delete, in NOTE 2, the existing 2nd and 3rd paragraphs.

Table 22 – Recommendations of operational administration systems

Replace, in the 3rd row, "Operational complexity" by "Operational complexity level".

Replace, in the NOTE, the last sentence of the first paragraph, by the following new paragraph:

Automated records include the data from AIM systems that detect connection/disconnection of cords and the presence of discoverable equipment connected to the network. Requirements and recommendations for specifying and operating AIM systems are provided in Annex H.

Delete, in the NOTE, the existing 2nd paragraph.

Insert, after the existing Annex G, the following new Annex H:

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Annex H (normative)

Automated infrastructure management (AIM) systems

H.1 Overview

Clause 9 refers to “enhanced” administration systems which automatically record both cord connections and discoverable equipment using the data produced by AIM systems. AIM systems should be considered when it is important to provide a common framework within which

- a) planners are able to specify their detailed requirements,
- b) operational efficiency and accuracy of the management information provided can be improved.

To support these objectives, this annex defines the core functions required for such systems (see H.3.1) and also describes other auxiliary features that AIM systems may incorporate (see H.3.2).

H.2 Specifying AIM systems

The AIM system shall meet the requirements defined in H.3.1 and may include additional features as required by H.3.2, noting the usage and operational requirements of Clause H.4 and recommendations of Clause H.5 respectively.

H.3 Functions

H.3.1 Core functions of AIM systems

H.3.1.1 System requirements

NOTE The following requirements are subject to revision within ISO/IEC 18598¹.

An AIM system shall be able to

- a) automatically detect connectivity between AIM-enabled panel ports (i.e. ports able to automatically detect the insertion or removal of a cord and process that event as part of an automated infrastructure management system),
- b) automatically detect connectivity between AIM-enabled panel ports and other equipment (with AIM-enabled ports) or document and/or infer connectivity between AIM-enabled panel ports and other equipment (without AIM-enabled ports),
- c) monitor the connections and disconnections of a) and b).

H.3.1.2 Functional requirements

Once configured, an AIM system shall be able to

- a) accommodate the chosen identification scheme (see Clause 9.2) for the items to be documented within the AIM software,
- b) record the connections between elements within the cabling infrastructure,

¹ Under consideration.