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Standards

Irish Standard  
I.S. EN 62514:2010

# Multimedia gateway in home networks - Guidelines (IEC 62514:2010 (EQV))

## I.S. EN 62514:2010

*Incorporating amendments/corrigenda issued since publication:*

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I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

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SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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English version

**Multimedia gateway in home networks -  
Guidelines  
(IEC 62514:2010)**

Passerelle multimédia dans les réseaux  
domestiques -  
Lignes directrices  
(CEI 62514:2010)

Leitfaden für Multimedia Gateway  
in Heimnetzwerken  
(IEC 62514:2010)

This European Standard was approved by CENELEC on 2010-07-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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## **Foreword**

The text of document 100/1672/FDIS, future edition 1 of IEC 62514, prepared by IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62514 on 2010-07-01.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates were fixed:

- latest date by which the EN has to be implemented  
at national level by publication of an identical  
national standard or by endorsement (dop) 2011-04-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2013-07-01

Annex ZA has been added by CENELEC.

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## **Endorsement notice**

The text of the International Standard IEC 62514:2010 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 62455                      NOTE Harmonized as EN 62455.

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## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62481	Series	Digital living network alliance (DLNA) home networked device interoperability guidelines	EN 62481	Series
IEC 62481-1	2007	Digital living network alliance (DLNA) home networked device interoperability guidelines - Part 1: Architecture and protocols	-	-
IEC 62481-2	-	Digital living network alliance (DLNA) home networked device interoperability guidelines - Part 2: DLNA media formats	-	-
ISO/IEC 14762	2009	Information technology - Functional safety requirements for home and building electronic systems (HBES)	-	-
ISO/IEC 29341	Series	Information technology - UPnP Device Architecture	-	-
ISO/IEC 29341-1	-	Information technology - UPnP Device Architecture - Part 1: UPnP Device Architecture Version 1.0	-	-
ISO/IEC 29341-3	Series	Information technology - UPnP Device Architecture - Part 3: Audio Video Device Control Protocol	-	-
ISO/IEC 15045-1	-	Information technology - Home electronic system (HES) gateway - Part 1: A residential gateway model for HES	-	-
ITU-T G.9960	-	Next generation home networking transceivers	-	-
UPnP Forum	Series	Quality of Service:3	-	-
RFC 2663	-	IP Network Address Translator (NAT) Terminology and Considerations	-	-
RFC 3022	-	Traditional IP Network Address Translator (Traditional NAT)	-	-
IEEE 802.16	-	IEEE Standard for Local and metropolitan area networks – Part 16: Air Interface for Fixed Broadband Wireless Access Systems (WiMax)	-	-

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**MULTIMEDIA GATEWAY IN HOME NETWORKS –  
GUIDELINES**
**FOREWORD**

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International Standard IEC 62514 has been prepared by technical area 9: Audio, video and multimedia applications for end-user network, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

The text of this standard is based on the following documents:

FDIS	Report on voting
100/1672/FDIS	100/1705/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

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

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

**IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.**

## INTRODUCTION

In a digital home, in order to meet the various requirements of digital living, all kinds of communication devices (computers, consumer-electrical products etc) are integrated into a home network. Such a network (comprising home information, entertainment, control services, etc.) thus forms a system of information exchange with outside networks.

A home network system is a Local Area Network (LAN) connecting such terminal devices as information devices, communication devices, entertainment devices, household appliances, meters of gas, water and electricity, health-care equipment, lighting and security systems, etc. to implement the network management and services and share the resources and services in the network.

The multimedia services and the management for devices mentioned above can be performed through a home multimedia gateway.

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