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## Multimedia – Grundläggande referensmodell för konfigurering av hemnät – Del 1: Systemmodell

*Multimedia home network configuration –  
Basic reference model –  
Part 1: System model*

Som svensk standard gäller europastandarden EN 62608-1:2014. Den svenska standarden innehåller den officiella engelska språkversionen av EN 62608-1:2014.

### Nationellt förord

Europastandarden EN 62608-1:2014

består av:

- **europastandardens ikraftsättningsdokument**, utarbetat inom CENELEC
- **IEC 62608-1, First edition, 2014 - Multimedia home network configuration - Basic reference model - Part 1: System model**

utarbetad inom International Electrotechnical Commission, IEC.

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Postadress: Box 1284, 164 29 KISTA  
Telefon: 08 - 444 14 00.  
E-post: sek@elstandard.se. Internet: www.elstandard.se

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Du som vill dra nytta av dessa möjligheter är välkommen att kontakta SEKs kansli för mer information.

### **SEK Svensk Elstandard**

Box 1284  
164 29 Kista  
Tel 08-444 14 00  
[www.elstandard.se](http://www.elstandard.se)

English Version

Multimedia home network configuration - Basic Reference model  
- Part 1: System model  
(IEC 62608-1:2014)

Configuration de réseau domestique multimédia - Modèle  
de référence de base - Partie 1: Modèle de système  
(CEI 62608-1:2014)

Multimedia-Systeme und -geräte - Multimedia-  
Heimnetzkonfiguration - Teil 1: Systemmodell  
(IEC 62608-1:2014)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre 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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

## Foreword

The text of document 100/2111/CDV, future edition 1 of IEC 62608-1, prepared by IEC/TC 100, "Audio, video and multimedia systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62608-1:2014.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2015-01-11
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-04-11

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## Endorsement notice

The text of the International Standard IEC 62608-1:2014 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 62481-1	NOTE	Harmonised as EN 62481-1.
IEC 62481-2	NOTE	Harmonised as EN 62481-2.
IEC 62481-3	NOTE	Harmonised as EN 62481-3.
IEC 62514	NOTE	Harmonised as EN 62514.

**Annex ZA**  
(normative)

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

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

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here:

[www.cenelec.eu](http://www.cenelec.eu)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO/IEC 7498-1	1994	Information technology - Open Systems Interconnection - Basic Reference Model: The Basic Model	-	-

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**MULTIMEDIA HOME NETWORK CONFIGURATION –  
BASIC REFERENCE MODEL –**
**Part 1: System model**

## FOREWORD

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International Standard IEC 62608-1 has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

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

CDV	Report on voting
100/2111/CDV	100/2183/RVC

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.

## INTRODUCTION

As well as electronic power, network connectivity is necessary in order to use electronic devices at home. Some applications running on the devices do not work without an inside and outside network.

When a device connects to a home network, an appropriate network service needs to already be in place. Since network connections are a precondition of many applications, such as IEC 62481-1, IEC 62481-2 and IEC 6248-3, a digital living network alliance (DLNA) network management function is necessary.

Sometimes applications need to change the configuration of another device, gateway, and so on. Since it is too difficult to change the configuration of a device manually, an automatic configuration mechanism is needed for the home network. IEC 62514 defines the functions of a multimedia home gateway. This standard complements the multimedia home gateway by enabling to establish network connections automatically.

# MULTIMEDIA HOME NETWORK CONFIGURATION – BASIC REFERENCE MODEL –

## Part 1: System model

### 1 Scope

This part of IEC 62608 specifies the basic reference model to configure devices connected to a home network with a configuration framework for network applications running on such devices.

This part of IEC 62608 applies to devices that are connected via cables and switched on and that support the IP protocol. The reference model covers inside and outside network connectivity.

This standard specifies the system model and functions that each component should support.

### 2 Normative reference

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

ISO/IEC 7498-1:1994, *Information technology – Open Systems Interconnection – Basic Reference Model: The Basic Model*