

**Home and Building Electronic Systems
(HBES) - Part 2-1: System overview -
Architecture**

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Part 2-1: System overview - Architecture

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 50090-2-1:2002 sisaldab Euroopa standardi EN 50090-2-1:1994 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.12.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 50090-2-1:2002 consists of the English text of the European standard EN 50090-2-1:1994.</p> <p>This document is endorsed on 18.12.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This European Standard specifies the general features and architecture of the HBES. The object is to define new terms for use in the EN 50090 series, to give general information and advice on the required HBES features and its architecture, to specify the HBES model, to specify the basic functional structure of an HBES with its reference points and interfaces.</p>	<p>Scope: This European Standard specifies the general features and architecture of the HBES. The object is to define new terms for use in the EN 50090 series, to give general information and advice on the required HBES features and its architecture, to specify the HBES model, to specify the basic functional structure of an HBES with its reference points and interfaces.</p>
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ICS 97.120

Võtmesõnad: definitions, hbcs reference model, home and building electronic systems (hbcs), osi reference model, specifications

UDC 621.398:681.3.02:681.327.8

Descriptors: Home and building electronic systems (HBES), home electronic systems, definitions, open systems interconnection (OSI), OSI reference model, HBES reference model, HBES topology, specifications

English version

**Home and Building Electronic Systems (HBES)
Part 2-1: System overview — Architecture**

Systèmes électroniques pour les foyers
domestiques et les bâtiments (HBES)
Partie 2-1: Vue d'ensemble du système
Architecture

Elektrische Systemtechnik für Heim und
Gebäude (ESHG)
Teil 2-1: Systemübersicht
Architektur

This European Standard was approved by CENELEC on 8 December 1993. 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.

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CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

This European Standard has been prepared by CENELEC TC 105, Home and Building Electronic Systems (HBES).

It was submitted to the unique acceptance procedure and was approved by CENELEC as EN 50090-2-1 on 1993-12-08.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1994-12-01
- latest date of withdrawal of conflicting national standards (dow) 1994-12-01

EN 50090-2-1 is part of the EN 50090 series of European Standards, which will comprise the following parts:

- Part 1: Standardization structure
- Part 2: System overview
- Part 3: Aspects of application
- Part 4: Transport layer and network layer
- Part 5: Media and media dependant layers
- Part 6: Interfaces
- Part 7: System management

EN 50090-2-1 uses the concepts and definitions given in EN 50090-1 (in preparation) and is partly based on the work of ISO/IEC JTC1/SC25. It takes into account the CENELEC Technical Report R105-001:1992, "Applications and requirements - Class 1".

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1 Scope

This European Standard specifies the general features and architecture of the HBES.

The object is:

- to define new terms for use in the EN 50090 series;
- to give general information and advice on the required HBES features and its architecture;
- to specify the HBES model;
- to specify the basic functional structure of an HBES with its reference points and interfaces.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 27498 Information processing systems - Open Systems interconnection - Basic Reference Model (ISO 7498: 1984 + A1: 1987).

3 Definitions

For the purpose of this standard the following definitions apply. Note that the definitions given in EN 50090-1¹ also apply to this standard.

3.1 Definitions from EN 27498

The following terms defined in EN 27498 apply to this standard:

application entity
application process
application service element, ASE
connection-mode communication
connectionless-mode communication
data-link-service-data-unit
flow control
network service data unit, (N)-SDU
OSI environment, OSIE
segmenting
user element
service access point

¹ EN 50090-1 will provide for an overview of the complete series EN 50090 and will be published later. Currently it is a draft