SLOVENSKI STANDARD

SIST EN 50090-4-3:2008

01-januar-2008

Stanovanjski in stavbni elektronski sistemi (HBES) - 4-3. del: Nivoji, neodvisni od medijev - Komunikacija preko IP (EN 13321-2:2006)

Home and Building Electronic Systems (HBES) - Part 4-3: Media independent layers - Communication over IP (EN 13321-2:2006)

Elektrische Systemtechnik für Heim und Gebäude (ESHG) - Teil 4-3: Medienunabhängige Schicht - Kommunikation über IP (EN 13321-2:2006)

Systemes électroniques pour les foyers domestiques et les bâtiments (HBES) - Partie 4-3: Couches indépendantes des medias - Communication sur IP (EN 13321-2:2006)

Ta slovenski standard je istoveten z: **EN 50090-4-3:2007**

ICS:

35.240.99	Uporabniġke reġitve IT na drugih podroļ jih	IT applications in other fields
97.120	Avtomatske krmilne naprave za dom	Automatic controls for household use

SIST EN 50090-4-3:2008 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 50090-4-3

October 2007

ICS 35.240.99; 97.120

English version

Home and Building Electronic Systems (HBES) – Part 4-3: Media independent layers – Communication over IP

(EN 13321-2:2006)

Systèmes électroniques pour les foyers domestiques et les bâtiments (HBES) – Partie 4-3: Couches indépendantes des medias – Communication sur IP
(EN 13321-2:2006)

Elektrische Systemtechnik für Heim und Gebäude (ESHG) – Teil 4-3: Medienunabhängige Schicht – Kommunikation über IP
(EN 13321-2:2006)

This European Standard was approved by CENELEC on 2007-04-11. 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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

Ref. No. EN 50090-4-3:2007 E

Contents

Foreword

The CENELEC Technical Committee TC 205, Home and Building Electronic Systems (HBES), in collaboration with CEN TC 247, Building Automation, Controls and Building Management, – and with participation of its cooperating partner KNX – has prepared this document to reference the European Standard EN 13321-2, prepared by CEN TC 247, also as a CENELEC TC 205 standard and to extend its area of application to Home and Building Electronic Systems (HBES).

The document was approved by CENELEC as EN 50090-4-3 on 2007-04-11.

CENELEC takes no position concerning the evidence, validity and scope of patent rights.

KNX Association as Cooperating Partner to CENELEC confirms that to the extent that the standard contains patents and like rights, the KNX Association's members are willing to negotiate licenses thereof with applicants throughout the world on fair, reasonable and non-discriminatory terms and conditions.

KNX Association cvba
Bessenveldstraat, 5
B - 1831 Diegem

Tel.: + 32 2 775 85 90
Fax.: + 32 2 675 50 28
e-mail: info@knx.org
www.knx.org

Attention is drawn to the possibility that some of the elements of this standard may be the subject of patent rights other than those identified above. CENELEC shall not be held responsible for identifying any or all such patent rights.

EN 50090-4-3 is part of the EN 50090 series of European Standards, which comprises the following parts:

Part 1: Standardization structure

Part 2: System overview

Part 3: Aspects of application

Part 4: Media independent layers

Part 5: Media and media dependent layers

Part 6: Interfaces

Part 7: System management

Part 8: Conformity assessment of products

Part 9: Installation requirements

Introduction

The permanent objective of CENELEC TC 205 is to prepare standards for all aspects of Home and Building Electronic Systems (HBES) in relation to the Information Society. Such HBES standards shall ensure integration of a wide spectrum of control applications and the control and management aspects of other applications in and around homes and buildings, including the gateways to different transmission media and public networks. As a widespread medium for communication, IP (being over Ethernet or any other communication media, is an important element of this integration. It was therefore considered of utmost importance to integrate the standard for communication over IP developed under the umbrella of CEN TC 247 into this standard series in order to complete the possible communication means in the field of Home and Building Electronic Systems (HBES).

This standard is intended for use by all involved in design, manufacture, engineering, installation and commissioning activities.

Moreover and in line with the EU's co-regulatory view of European standardisation this standard supports the eEurope objectives and helps to comply with important EU Directives such as the Construction Products' Directive and the Energy Performance of Buildings' Directive.

1 Scope

This European Standard defines the mandatory and optional requirements for the medium independent communication over IP for HBES products and systems, a multi-application bus system where the functions are decentralised, distributed and linked through a common communication process.

This European Standard is used as a product family standard. It is not intended to be used as a stand-alone standard.

Other parts from the EN 50090 series may apply.

2 Requirements

HBES products and systems using the HBES Open Communication System according to this standard series shall use the requirements stated in EN 13321-2.

When using EN 13321-2, read any reference to

"EN 13321-1, Open data communication in building automation, controls and building management – Home and building electronic system – Part 1: Product and system requirement"

as

"EN 50090 Home and Building Electronic Systems (HBES), series".