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STN	**Elektronické systémy pre byty a budovy (HBES) Časť 3-4: Zabezpečenie na aplikačnej vrstve, servis zabezpečenia, konfigurácia zabezpečenia a bezpečnostné zdroje**	**STN EN 50090-3-4** 36 8051

Home and Building Electronic Systems (HBES) - Part 3-4: Secure Application Layer, Secure Service, Secure configuration and security Resources

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/17

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English Version

Home and Building Electronic Systems (HBES) - Part 3-4: Secure Application Layer, Secure Service, Secure configuration and security Resources

Systèmes électroniques pour les foyers domestiques et les bâtiments (HBES) - Partie 3-4 : Spécification des KNX S AL, Service sécurisé, configuration sécurisée et Resources en matière de sécurité

Elektrische Systemtechnik für Heim und Gebäude (ESHG) - Teil 3-4: Informationssicherheit auf Anwendungsschicht, Dienste, Konfiguration und Ressourcen

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

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European foreword

This document (EN 50090-3-4:2017) has been prepared by CLC/TC 205 "Home and Building Electronic Systems (HBES)".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2018-06-12
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2020-06-12

EN 50090-3 is composed with the following parts:

— EN 50090-3-1, *Home and Building Electronic Systems (HBES) — Part 3-1: Aspects of application —- Introduction to the application structure*;

— EN 50090-3-2, *Home and Building Electronic Systems (HBES) — Part 3-2: Aspects of application — User process for HBES Class 1*;

— EN 50090-3-3, *Home and Building Electronic Systems (HBES) — Part 3-3: Aspects of application — HBES Interworking model and common HBES data types*;

— EN 50090-3-4, *Home and Building Electronic Systems (HBES) — Part 3-4: Secure Application Layer, Secure Service, Secure configuration and security Resources*.

Introduction

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1 Scope

This European Standard defines security for Home and Building HBES Open Communication System.

It is based on ISO/IEC 24767-2, Home network security / Secure Communication Protocol Middleware (SCPM).

Having a secure HBES solution has several advantages.

— It makes the HBES RF Communication Medium more secure:

  HBES RF Radio Frames in plain communication can easily be traced (by sniffer for example).

— It allows for secure applications.

  Secure communication is interesting in shutter – and door control and anti-intrusion security, in order to prevent intrusive commands (burglars…).

  It is also interesting in metering to protect for example electrical consumption data.

  This document does not define any type of application.

2 Normative references

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.

EN 50090-1:2011, *Home and Building Electronic Systems (HBES) - Part 1: Standardization structure*

EN 50090-3-2, *Home and Building Electronic Systems (HBES) - Part 3-2: Aspects of application - User process for HBES Class 1*

EN 50090-4-1, *Home and Building Electronic Systems (HBES) - Part 4-1: Media independent layers - Application layer for HBES Class 1*

EN 50090-4-2, *Home and Building Electronic Systems (HBES) - Part 4-2: Media independent layers - Transport layer, network layer and general parts of data link layer for HBES Class 1*