


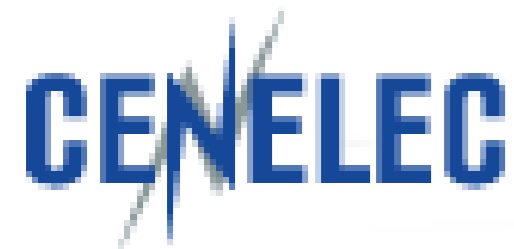


Standardointijärjestöt

	Yleinen	Sähkötekniikka	Televiestintä
Maailmanlaajuinen			
Eurooppalainen			
Kansallinen			

KNX:ään liittyvää standardointia

	Standardointijärjestöt	Standardointikomiteat	Standardit
Maailmanlaajuinen		ISO/IEC JTC 1/SC 25 Interconnection of information technology equipment	ISO/IEC 14543 Information technology - Home electronic system (HES) architecture
Eurooppalainen		CLC/TC 205 Home and Building Electronic Systems (HBES)	EN 50090 Home and Building Electronic Systems (HBES)
Kansallinen		SK 205 Rakennusten elektroniikkajärjestelmät	SFS-EN 50090 Home and Building Electronic Systems (HBES)



- CEN-CENELEC Guide 25
- KNX on CENELEC Partner Organization
- KNX on CLC/TC 205 jäsen (*Observer*)
- CLC/TC 205 standardisarjat:
 - EN 50090 Home and Building Electronic Systems
 - EN 50491 HBES/BACS General requirements



- CEN TC 247 Building Automation, Controls and Building Management
- EN 13321-2:2012 Open Data Communication in Building Automation, Controls and Building Management - Home and Building Electronic Systems - Part 2: KNXnet/IP Communication



CEN-CENELEC GUIDE 25

**The concept of Partnership with
European Organizations and
other stakeholders**

Edition 2, July 2017

(Corrected version, November 2017)

EN 50090-1 Standardization structure	EN 50090-1:2011 Standardization structure			
EN 50090-3 Aspects of application	EN 50090-3-1:1994 Introduction	EN 50090-3-2:2004 User process for HBES	EN 50090-3-3:2009 Interworking model and data	EN 50090-3-4:2017 Secure layer, service, conf...
EN 50090-4 Media independent layers	EN 50090-4-1:2004 Application layer for HBES	EN 50090-4-2:2004 Transport, network, data link	EN 50090-4-3:2015 Communication over IP (EN 13321)	
EN 50090-5 Media dependent layers	EN 50090-5-1:2005 Power line for HBES	EN 50090-5-2:2004 HBES Class 1, Twisted Pair	EN 50090-5-3:2016 RF for HBES Class 1	
EN 50090-6 Interfaces	EN 50090-6-1:2017 Webservice interface	prEN 50090-6-2 IoT Semantic Ontology		
EN 50090-7 System management	EN 50090-7-1:2004 Management procedures			

EN 50090 Home and Building Electronic Systems

- standardia on kehitetty yli 20 vuotta
- määrittelee konseptin *HBES Open Communication System*
- alussa jäsentely yhdeksän aiheeseen, nykyisin kuusi
- vuonna 2009 päätös sisällön uudelleen jäsentelystä:
 - EN 50090 HBES Open Communication System
 - EN 50491 HBES/BACS General requirements
- nykyisin EN 50090 sisältää 13 standardia
- KNX ja CLC/TC 205 yhteistyö
- laajennus EN 13321-2 KNXnet/IP Communication (CEN/TC 247)
- kansainvälinen versio saatavilla ISO/IEC 14543-3 sarjassa (JTC 1/SC 25)
- valmisteilla IoT laajennus prEN 50090-6-2 IoT Semantic Ontology_Model_Description

Project	
Reference	prEN 50090-6-2
Title	Home and Building Electronic Systems (HBES)- Part 6-2 IoT Semantic Ontology_Model_Description
Project Number	66523
Abstract/Scope	<p>This document contains an explanation of the HBES IoT model structures, semantically expressing the current HBES Open System solutions, with the goal of improving the semantic information HBES IoT gateways or HBES IoT devices provide. The document starts with explaining the used concepts separately. It is important to have a thorough understanding of the concepts themselves before the actual model is specified. These concepts are naturally part of a bigger model with defined relationships. At the end of the document, all relationships are fully written out. The pages before highlight the most important relations to understand the concepts in the model.</p>
Status	Committee stage