TECHNICAL REPORT

# ISO/IEC TR 10192-2

First edition
2000-10

## Information technology –
## Home Electronic System (HES) interfaces –

## Part 2:
## Simple Interface Type 1

Reference number
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## Part 2: Simple Interface Type 1

## FOREWORD

1) ISO (International Organization for Standardization) and IEC (International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.
2) In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.
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Technical reports of types 1 and 2 are subject to review within three years of publication to decide whether they can be transformed into International Standards. Technical reports of type 3 do not necessarily have to be reviewed until the data they provide are considered to be no longer valid or useful.

ISO/IEC 10192-2, which is a technical report of type 2, was prepared by subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology.

This publication was drafted in accordance with ISO/IEC directives, Part 3.

This document is issued in the type 2 technical report series of publications (according to 15.2.2 of the Procedures for the technical work of ISO/IEC JTC 1 (1998)) as a prospective standard for provisional application in the field of the Home Electronic System (HES), because there is an urgent requirement for guidance on how standards in this field should be used to meet an identified need.

This document is not to be regarded as an International Standard. It is proposed for provisional application so that information and experience of its use in practice may be gathered. Comments on the content of this document should be sent to IEC Central Office.

A review of this type 2 technical report will be carried out not later than three years after its publication with the option of extension for a further three years or conversion either to an International Standard or withdrawal.

This document which is purely informative is not to be regarded as an International Standard.

Annexes A and B are for information only.

# INTRODUCTION

A Simple Interface (SI) is an interface between devices and a home network in the Home Electronic System (HES).

The SI type 1 connects simple devices offering and accepting only a two state signal to an HES home network. Two signals are available at the SI type 1. One is a control signal for turning the device on and off. The other is a monitor signal for checking the state of the device.

ISO/IEC 10192: *Information technology – Home Electronic System (HES) interfaces* presently consists of two parts:

- *Part 1: Universal interface class 1*
- *Part 2: Simple interface type 1*

# INFORMATION TECHNOLOGY – HOME ELECTRONIC SYSTEM (HES) INTERFACES –

## Part 2: Simple Interface Type 1

## 1 Scope

This part of ISO/IEC 10192-2 specifies the mechanical, electrical, functional and procedural characteristics of a specific Simple Interface (SI). The SI type 1 is a physical interface realized between the SI type 1 device and the SI type 1 Network Access Unit, NAU. It also serves as a reference point.

## 2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 10192. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO/IEC 10192 are encouraged to investigate the possibility of applying the most recent edition of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 60364, *Electrical Installations of buildings*

IEC 60664 (all parts), *Insulation coordination for equipment within low-voltage systems*

IEC 60068-2 (all parts), *Environmental testing*

IEC 60950, *Safety of information technology equipment*