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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
ISO/IEC TR 10192-2:2000(E)

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TECHNICAL REPORT – TYPE 2 ISO/IEC TR 10192-2

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Information technology – Home Electronic System (HES) interfaces –

Part 2: Simple Interface Type 1

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CONTENTS

Page

FOREWORD 4
INTRODUCTION 6

Clause

1 Scope 7
2 Normative references 7
3 Definitions 7
4 Abbreviations 8
5 Basic principles of the Simple Interface type 1 (SI type 1) 9
6 Functional characteristics of the SI type 1 10
6.1 Signal types and pin assignments 10
7 Electrical characteristics of the SI type 1 11
7.1 Currents and voltages on the SI type 1 conductors 11
7.2 Signal forms at the SI type 1 12
7.3 Maximum allowed voltages on the SI type 1 conductors 12
7.4 Isolation characteristics 12
8 Mechanical characteristics of the SI type 1 13
9 Safety of SI type 1 devices and NAUs 13
10 Testing of SI type 1 devices 13
10.1 Test conditions 13
10.2 Test circuit for the SI type 1 device 13
10.3 Functional test of SI type 1 devices 13
10.4 Short circuit test for SI type 1 devices 13

Annex A (informative) Photocoupler based implementation 14
Annex B (informative) Characteristics of the SI type 1 connector 15
B.1 SI type 1 device and NAU connector mechanical characteristics 15
B.2 Connector ratings 16

Bibliography 17

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Figure 1 – Basic reference model for the SI type 1 9
Figure 2 – Signals passing the SI type 1..... 10
Figure 3 – Currents and voltages on the SI type 1 conductors 11
Figure 4 – Signal forms at the SI type 1..... 12
Figure 5 – SI type 1 device testing 13
Figure A.1 – Basic configuration..... 14
Figure B.1 – SI type 1 device and NAU connector (male) 15
Figure B.2 – SI type 1 cable connector (female) 16

Table 1 – Signal type, symbols, potentials and pin assignments for the SI type 1 10
Table 2 – Electrical characteristics of SI type 1 11

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INFORMATION TECHNOLOGY – HOME ELECTRONIC SYSTEM (HES) INTERFACES –

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.
3) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

The main task of IEC and ISO technical committees is to prepare International Standards. In exceptional circumstances, a technical committee may propose the publication of a technical report of one of the following types:

- type 1, when the required support cannot be obtained for the publication of an International Standard, despite repeated efforts;
- type 2, when the subject is still under technical development or where, for any other reason, there is the future but not immediate possibility of an agreement on an International Standard;
- type 3, when the technical committee has collected data of a different kind from that which is normally published as an International Standard, for example ‘state of the art’.

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.

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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.

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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*

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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*