
**Information technology — Home Electronic
Systems (HES) application model —**

**Part 2:
Lighting model for HES**

*Technologies de l'information — Modèle d'application des systèmes
électroniques domestiques (HES) —*

Partie 2: Modèle d'éclairage pour HES

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Foreword

ISO (the International Organization for Standardization) and IEC (the 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.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

The main task of technical committees is to prepare International Standards, but 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 a technical committee has collected data of a different kind from that which is normally published as an International Standard ("state of the art", for example).

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 Technical Reports of type 3 do not necessarily have to be reviewed until the data they provide are considered to be no longer valid or useful.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 TR 15067-2, which is a Technical Report of type 3, was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

ISO/IEC TR 15067 consists of the following part, under the general title *Information technology — Home Electronic Systems (HES) application model*.

- *Part 2: Lighting model for HES*

Introduction

The *Home Electronic System* is a standard under development by Working Group 1 (WG1) of Subcommittee 25 (SC25), *Interconnection of Information Technology Equipment*, under Joint Technical Committee 1 (JTC1) of the ISO and IEC.

The physical elements constituting lighting control systems are listed. The physical connection of these elements on a home control system medium is shown. Then, a generic logical model is presented. The relationship of this model to typical systems of varying complexity is discussed.

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Part 2:

Lighting model for HES

1 Scope

This part of ISO/IEC TR 15067 forms the basis for defining HES messages that flow among the logical components. A preliminary specification for the message set is provided.