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Information technology – Intelligent homes – Taxonomy of specifications – Part 1: Taxonomy method

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INFORMATION TECHNOLOGY – INTELLIGENT HOMES – TAXONOMY OF SPECIFICATIONS –

Part 1: Taxonomy method

FOREWORD

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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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- 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’.

ISO/IEC 29107-1, which is a Technical Report of type 3, has been prepared by subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology

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 Technical reports of type 3 do not necessarily have to be reviewed until the data they provide are considered to be no longer valid or useful.

This Technical Report of type 3 has been approved by vote of the member bodies, and the voting results may be obtained from the address given on the second title page.

A list of all parts of the ISO/IEC 29107 series, under the general title *Information technology – Intelligent homes – Taxonomy of specifications*, can be found on the IEC website.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

INTRODUCTION

ISO/IEC 29107 describes a taxonomy for the classification of standards and other specifications applicable to intelligent homes. It consist of two parts.

Part 1: Taxonomy method.

Part 2: Table of specifications.

INFORMATION TECHNOLOGY – INTELLIGENT HOMES – TAXONOMY OF SPECIFICATIONS –

Part 1: Taxonomy method

1 Scope

This part of ISO/IEC 29107 specifies the concept for a taxonomy of standards and other related specifications applicable to intelligent homes. It is intended for the classification of specifications from ISO, IEC, ISO/IEC JTC 1, ITU and from organizations with liaison status with any of these.

The target of this part of ISO/IEC 29107 are the various standardisation bodies that are contributing to the intelligent home. With the help of the concept described in this report they should be able to classify their specifications. This will benefit the standardisation bodies to determine if there are overlapping specifications or areas for which specifications are missing.

NOTE The collection of all classifications, is intended to be specified in ISO/IEC TR 29107-2.[1].

2 Terms, definitions and abbreviations

For the purposes of this document, the following terms and definitions apply.

2.1
intelligent home
home in which the integration of services and interworking of devices improve the residents' comfort, well-being, safety and communication possibilities

NOTE 1 The focus of the integration is on a unified user access to services and devices and the interworking capabilities between different application areas.

NOTE 2 Example application areas are home security, home entertainment, home automation, health care, telecommunication, energy management and personalized information (as traffic, weather,..).

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1 The table of specifications will be held by ISO/IEC JTC 1/SC 25.