

## TECHNICAL REPORT

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**Information technology – Terminology for intelligent homes**



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## INFORMATION TECHNOLOGY – TERMINOLOGY FOR INTELLIGENT HOMES

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ISO/IEC TR 29108, which is a technical report, has been prepared by subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology. It is intended that future versions of this technical report will be developed in collaboration with ITU-T.

This Technical Report 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.

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

## INTRODUCTION

ISO/IEC TR 29108 contains the recommended as well as other existing definitions of terms used in standards and technical reports relevant to intelligent homes. Existing definitions use the exact wording of the source and may thus be both formally incorrect as well as contain spelling mistakes.

In addition, necessary information that is not in the SOURCE has been added in brackets. Also Notes # to entry below the [SOURCE reference] are additions of this Technical Report.

## INFORMATION TECHNOLOGY – TERMINOLOGY FOR INTELLIGENT HOMES

### 1 Scope

ISO/IEC TR 29108 specifies the terminology recommended for future use in International Standards and other specifications for intelligent homes. In addition, it provides a collection of terms and definitions as already used and defined in relevant International Standards, Technical Specifications, Technical Reports and Recommendations developed by ISO, IEC, and ITU-T.

### 2 Structure

The first definition of each term, i.e. the one with the number 3.1.n.1 is the definition recommended by this Technical Report. This can either be one from an International Standard or other specification, or one defined by this Technical Report. If more than one definition for a term exists, they are ordered hierarchically, in decreasing order of preference. Note that a definition may apply to a very specific environment, but not be preferred, since it is not generic.

The source of the definition is indicated at the bottom of each entry, if applicable. If no source is provided the term and definition is being defined by this Technical Report. Cited definitions use the same wording as the source, so they may contain both formal and spelling errors. A source given at the last, but one line of the definition is part of the citation.

The Bibliography at the end of the document consists of two parts. The first part lists International Standards from which terms and definitions are cited in Clause 3 below. The second part contains related International Standards and other specifications.

### 3 Terms, definitions and abbreviations

#### 3.1 Terms and definitions

The following terms and definitions have been compiled in the field of intelligent homes for the convenience of standards' writers and users.

##### 3.1.1 Action

###### 3.1.1.1 action

Command exposed by a service. Takes one or more input or output arguments. May have a return value. For more information, see clauses on description and control (in ISO/IEC 29341-1).

[SOURCE: ISO/IEC 29341-1:2011, definition in Clause 6]

##### 3.1.2 Action primitive

###### 3.1.2.1 action primitive

fundamental unit of software invocation that results in a single defined and observable state change of the object on which it is invoked

[SOURCE: ISO/IEC 18012-2:2012, definition 3.1.1]