

INTERNATIONAL STANDARD

Internet of things (IoT) – Vocabulary



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IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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INTERNET OF THINGS (IoT) – VOCABULARY

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- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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1 Scope

This document provides a definition of Internet of Things along with a set of terms and definitions. This document is a terminology foundation for the Internet of Things.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1 General terms

3.1.1 address

<endpoint> value that can be used to identify an endpoint, which can designate the originating source or destination of data being transmitted

3.1.2 application

software designed to fulfil a particular purpose

[SOURCE: ISO/IEC 24713-2:2008, 4.1, modified – “program or piece of” has been removed from the beginning of the definition.]

3.1.3 architecture

<system> set of fundamental concepts or properties of a system in its environment embodied in its elements, relationships, and in the principles of its design and evolution

[SOURCE: ISO/IEC/IEEE 42010:2011, 3.2, modified – “set of” has been added to the beginning of the definition.]

3.1.4 asset

physical entity or digital entity that has value to an individual, an organization or a government

[SOURCE: ISO/IEC 27032:2012, 4.6, modified – “anything” has been replaced by “physical entity or digital entity” at the beginning of the definition.]

3.1.5 availability

property of being accessible and usable upon demand by an authorized entity

Note 1 to entry: IoT systems can include both human users and service components as “authorized entities”.

[SOURCE: ISO/IEC 27000:2018, 3.7]