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# Internet of Things (IoT) — Vocabulary

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- Australian Academy of Technological Sciences and Engineering
- Australian Communications and Media Authority
- Australian Communications Consumer Action Network
- Australian Industry Group
- Australian Information Industry Association
- Australian Smart Communities Association
- Communications Alliance
- Consumers Federation of Australia
- CSIRO Data61
- Engineers Australia
- IoT Alliance Australia
- NSW Data Analytics Centre
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# Internet of Things (IoT) — Vocabulary

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## Preface

This Standard was prepared by the Standards Australia Committee IT-042, Internet of Things and Related Technologies.

The objective of this document is to provide 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.

This document is identical with, and has been reproduced from, ISO/IEC 20924:2018, *Internet of things (IoT) — Vocabulary*.

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International Standard ISO/IEC 20924 has been prepared by subcommittee 41: Internet of Things and related technologies, of ISO/IEC joint technical committee 1: Information technology.

This International Standard 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.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

— reconfirmed,

- withdrawn,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

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NOTES

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# Australian Standard®

## Internet of Things (IoT) — Vocabulary

### 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/JECL 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]