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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

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INTERNATIONAL STANDARD
RECOMMENDATION ITU-T

Information technology – Cloud computing – Overview and vocabulary

1 Scope

This Recommendation | International Standard provides an overview of cloud computing along with a set of terms and definitions. It is a terminology foundation for cloud computing standards.

This Recommendation | International Standard is applicable to all types of organizations (e.g., commercial enterprises, government agencies, not-for-profit organizations).

2 Normative references

The following Recommendations and International Standards contain provisions which, through reference in this text, constitute provisions of this Recommendation | International Standard. At the time of publication, the editions indicated were valid. All Recommendations and Standards are subject to revision, and parties to agreements based on this Recommendation | International Standard are encouraged to investigate the possibility of applying the most recent edition of the Recommendations and Standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards. The Telecommunication Standardization Bureau of the ITU maintains a list of currently valid ITU-T Recommendations.

2.1 Identical Recommendations | International Standards

None.

2.2 Paired Recommendations | International Standards

None.

2.3 Additional references

None.

3 Definitions

3.1 Terms defined elsewhere

This Recommendation | International Standard uses the following terms defined elsewhere.

The following terms are defined in ISO/IEC 27000:

3.1.1 **availability**: Property of being accessible and usable upon demand by an authorized entity.

3.1.2 **confidentiality**: Property that information is not made available or disclosed to unauthorized individuals, entities, or processes

3.1.3 **information security**: Preservation of **confidentiality** (3.1.2), **integrity** (3.1.4) and **availability** (3.1.1) of information.

NOTE – In addition, other properties, such as authenticity, accountability, non-repudiation, and reliability can also be involved.

3.1.4 **integrity**: Property of accuracy and completeness.

The following term is defined in Rec. ITU-T Y.101:

3.1.5 **interoperability**: The ability of two or more systems or applications to exchange information and to mutually use the information that has been exchanged.

The following term is defined in ISO/IEC 27729:

3.1.6 **party**: Natural person or legal person, whether or not incorporated, or a group of either.