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ISO/IEC 27017

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Information technology — Security techniques — Code of practice for information security controls based on ISO/IEC 27002 for cloud services

Technologies de l'information — Techniques de sécurité — Code de pratique pour les contrôles de sécurité de l'information fondés sur l'ISO/IEC 27002 pour les services du nuage

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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.

ISO/IEC 27017 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 27, *IT Security techniques*, in collaboration with ITU-T. The identical text is published as ITU-T. X.1631 (07/2015).

International Telecommunication Union

ITU-T X.1631

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

(07/2015)

SERIES X: DATA NETWORKS, OPEN SYSTEM COMMUNICATIONS AND SECURITY

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Information technology – Security techniques – Code of practice for information security controls based on ISO/IEC 27002 for cloud services

Recommendation ITU-T X.1631

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INTERNATIONAL STANDARD ISO/IEC 27017
RECOMMENDATION ITU-T X.1631

Information technology – Security techniques – Code of practice for information security controls based on ISO/IEC 27002 for cloud services

Summary

Recommendation ITU-T X.1631 | ISO/IEC 27017 provides guidelines for information security controls applicable to the provision and use of cloud services by providing:

- additional implementation guidance for relevant controls specified in ISO/IEC 27002;
- additional controls with implementation guidance that specifically relate to cloud services.

This Recommendation | International Standard provides controls and implementation guidance for both cloud service providers and cloud service customers.

History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T X.1631	2015-07-14	17	11.1002/1000/12490

* To access the Recommendation, type the URL http://handle.itu.int/ in the address field of your web browser, followed by the Recommendation's unique ID. For example, http://handle.itu.int/11.1002/1000/11830-en.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure, e.g., interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

INTELLECTUAL PROPERTY RIGHTS

ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. ITU takes no position concerning the evidence, validity or applicability of claimed Intellectual Property Rights, whether asserted by ITU members or others outside of the Recommendation development process.

As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database at http://www.itu.int/ITU-T/ipr/.

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国际标准化组织、国际电工委员会

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在瑞士发布

前言

ISO（国际标准化组织）和IEC（国际电工委员会）构成了全世界标准化的专门体系。作为ISO或IEC成员的国家机构通过各自组织建立的技术委员会参与国际标准的制定，以处理特定的技术活动领域。ISO和IEC技术委员会在共同感兴趣的领域进行合作。其他国际组织，政府和非政府组织，与ISO和IEC联络，也参与了工作。在信息技术领域，ISO和IEC建立了一个联合技术委员会，即ISO/IEC JTC 1。

国际标准是根据ISO/IEC指令第2部分中给出的规则起草的。

联合技术委员会的主要任务是编制国际标准。联合技术委员会通过的国际标准草案将分发给国家机构进行表决。作为国际标准的出版需要至少75%的国家机构投票批准。

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ISO/IEC 27017是由联合技术委员会ISO/IEC JTC 1，*信息技术*，小组委员会SC 27，*IT安全技术*，与ITU-T合作编写。相同的文本以ITU-T.X.1631 (07/2015).

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序言

国际电信联盟（ITU）是联合国在电信、信息和通信技术（ICTs）领域的专门机构。ITU电信标准化部门（ITU-T）是ITU的一个常设机构。ITU-T负责研究技术、操作和关税问题，并就这些问题发布建议，以便在全球范围内实现电信标准化。

世界电信标准化大会（WTSA）每四年召开一次，确定ITU-T研究小组的研究主题，而这些研究小组又会就这些主题提出建议。

ITU-T建议的批准由WTSA第1号决议规定的程序涵盖。

在属于ITU-T职权范围的某些信息技术领域，必要的标准是在与ISO和IEC合作的基础上制定的。

注意事项

在本建议中，为简洁起见，使用了 "行政部门 "这一表述，以表示电信行政部门和公认的运营机构。

对本建议的遵守是自愿的。然而，本建议书可能包含某些强制性条款（以确保，例如，互操作性或适用性），当所有这些强制性条款得到满足时，就实现了对本建议书的遵守。词语 "应 "或其他一些强制性语言，如 "必须 "和否定的等价物，被用来表达要求。使用这些词语并不意味着要求任何一方遵守本建议书。

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