BS ISO/IEC 19770-5:2013

BSI Standards Publication

Information technology — Software asset management

Part 5: Overview and vocabulary

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National foreword

This British Standard is the UK implementation of ISO/IEC 19770-5:2013.

The UK participation in its preparation was entrusted to Technical Committee IST/15, Software and systems engineering.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Information technology — Software asset management —

Part 5: Overview and vocabulary

Technologies de l'information — Gestion de biens de logiciel — Partie 5: Vue d'ensemble et vocabulaire

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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 19770-5 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 7, *Software and systems engineering*.

ISO/IEC 19770 consists of the following parts, under the general title *Information technology — Software asset management*:

Part 1: Processes and tiered assessment of conformance

Part 2: Software identification tag

Part 5: Overview and vocabulary

The following parts are under preparation:

Part 3: Software entitlement tag

Part 7: Tag management

Guidelines for mapping of industry SAM practices with the ISO/IEC 19770 family of standards and *Guidelines for the application of ISO/IEC 19770-1 for small organizations* will form the subjects of future Parts 8 and 11, respectively.

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0 Introduction

0.1 Overview

International Standards in the ISO/IEC 19770 family of standards for software asset management (SAM) address both the processes and technology for managing software assets and related IT assets. Because IT is an essential enabler for almost all activity in today's world, these standards must integrate tightly into all of IT. For example, from a process perspective, SAM standards must be able to be used with all Management System Standards, because software and software management are essential components of any modern Management System. From a technology perspective, SAM standards for information structures provide not only for data interoperability of software management data, but also provide the basis for many related benefits such as more effective security in the use of software. SAM standards for information structures also facilitate significant automation of IT functionality, such as improved authentication of software and linking to national vulnerability databases for more automated exposure identification and mitigation.

0.2 SAM family of standards

The ISO/IEC 19770 family of standards is intended to assist organizations of all types to implement and operate a software asset management system using both process and technology. The ISO/IEC 19770 family of standards consists of the parts listed in the Foreword.

NOTE ISO/IEC 19770-4, ISO/IEC 19770-6, ISO/IEC 19770-9 and ISO/IEC 19770-10 are either related to projects that have been withdrawn, or are reserved for future use.

0.3 Purpose of this part of ISO/IEC 19770

This part of ISO/IEC 19770 provides an overview of software asset management, which is the subject of the ISO/IEC 19770 family of standards, and defines related terms.

This part of ISO/IEC 19770 is divided into the following clauses:

— Clause 1 is the scope;

— Clause 2 describes the normative references;

— Clause 3 describes the terms, definitions, symbols, and abbreviations used in this standard;

— Clause 4 introduces software asset management, describes the alignment of SAM standards with other ISO and ISO/IEC standards, and defines principles of SAM processes and data structures;

— Clause 5 gives an overview of the SAM standards family;

The terms and definitions provided in this part of ISO/IEC 19770:

a) cover commonly used terms and definitions in the ISO/IEC 19770 family of standards;

b) will not cover all terms and definitions applied within the ISO/IEC 19770 family of standards; and

c) do not limit the ISO/IEC 19770 family of standards in defining terms for their own use.

To reflect the changing status of the SAM family of standards, this part of ISO/IEC 19770 is expected to be updated on a more frequent basis than would normally be the case for other ISO/IEC standards.

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Information technology — Software asset management —

Part 5: Overview and vocabulary

1 Scope

This part of ISO/IEC 19770 provides:

a) an overview of the ISO/IEC 19770 family of standards;

b) an introduction to software asset management (SAM);

c) a brief description of the foundation principles and approaches on which SAM is based; and

d) consistent terms and definitions for use throughout the ISO/IEC 19770 family of standards.

This part of ISO/IEC 19770 is applicable to all types of organization (e.g. commercial enterprises, government agencies, and non-profit organizations).

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

2.1 Approved references

ISO/IEC/IEEE 24765, *Systems and software engineering — Vocabulary*[1)]

2.2 References under development

ISO 55000, *Asset management — Overview, principles and terminology*[2)]

2.3 World Wide Web Consortium (W3C) references

Extensible Markup Language (XML) 1.1 (Second Edition), W3C Recommendation, http://www.w3.org/TR/2008/REC-xml-20081126/

XML Schema Definition Language (XSD) 1.1 Part 1: Structures, W3C Recommendation, http://www.w3.org/TR/xmlschema11-1/

XML Schema Definition Language (XSD) 1.1 Part 2: Datatypes, W3C Recommendation, http://www.w3.org/TR/xmlschema11-2/

2.4 Internet Engineering Task Force (IETF) references

RFC 1034, *Domain Names – Concepts and Facilities*, November 1987, http://tools.ietf.org/html/rfc1034

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1) ISO/IEC/IEEE 24765 is a "snapshot" of the SEVOCAB (systems and software engineering vocabulary) database, which is available at: http://www.computer.org/sevocab

2) To be published.

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