Information technology — IT asset management — Overview and vocabulary

Technologies de l'information — Gestion de biens de logiciel — Vue d'ensemble et vocabulaire
Contents

Foreword ................................................................. iv
Introduction .................................................................. v
1 Scope ....................................................................... 1
2 Normative references .................................................. 1
3 Terms and definitions .................................................. 1
4 IT asset management (ITAM) and software asset management (SAM) .............................................. 8
   4.1 Introduction .......................................................... 8
   4.2 The need to manage software assets ......................... 9
      4.2.1 General .......................................................... 9
      4.2.2 Direct benefits ................................................ 9
      4.2.3 Cost control .................................................... 10
      4.2.4 Risk management and mitigation ....................... 10
   4.3 Foundation principles ............................................. 11
   4.4 Relationships to principles defined in other standards .......................................................... 11
      4.4.1 Introduction ..................................................... 11
      4.4.2 Relationship to ISO 9001 principles ................... 11
      4.4.3 Relationship to ISO/IEC 20000 principles ............. 11
      4.4.4 Relationship to ISO/IEC 27000 principles .......... 11
      4.4.5 Relationship to ISO 55000 principles ................. 12
   4.5 Principles of process definitions ............................. 12
   4.6 Evaluation of process definition conformance ............ 12
   4.7 Principles of information structures .......................... 13
   4.8 Evaluation of information structure definition conformance .............................................. 13
   4.9 Critical success factors ............................................ 13
5 ITAM family of standards ............................................. 14
   5.1 General information .............................................. 14
   5.2 Standards specifying processes ............................... 14
      5.2.1 ISO/IEC 19770-1:2006 .................................... 14
      5.2.2 ISO/IEC 19770-1:2012 .................................... 15
      5.2.3 ISO/IEC 19770-1:201x .................................... 15
   5.3 Technical reports providing guidance for process standards .............................................. 15
      5.3.1 ISO/IEC 19770-8:201x .................................... 15
      5.3.2 ISO/IEC 19770-11:201x ................................ 15
   5.4 Standards specifying information structures ............... 16
      5.4.1 ISO/IEC 19770-2:2009 .................................... 16
      5.4.2 ISO/IEC 19770-2:201x .................................... 16
      5.4.3 ISO/IEC 19770-3:201x .................................... 16
      5.4.4 ISO/IEC 19770-4:201x .................................... 17
      5.4.5 ISO/IEC 19770-6:201x .................................... 17
   5.5 Technical reports providing guidance for information structure standards .............................. 17
      5.5.1 ISO/IEC 19770-7:201x .................................... 17
      5.5.2 ISO/IEC 19770-22:201x ................................ 17
   5.6 Overview standards ............................................... 18
      5.6.1 ISO/IEC 19770-5:2013 .................................... 18
      5.6.2 ISO/IEC 19770-5:2015 (this standard) ............... 18
Bibliography .................................................................. 19

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The committee responsible for this document is ISO/IEC JTC 1, Information technology, Subcommittee SC 7, Software and systems engineering.

This second edition cancels and replaces the first edition (ISO/IEC 19770-5:2013), which has been technically revised.

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 3: Software entitlement schema
— Part 5: Overview and vocabulary

The following parts are under preparation:

— Part 4: Resource Utilization Measurement (RUM)
— Part 7: Tag management
Introduction

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.

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.

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;
— 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.