



**Technical
Specification**

**ISO/IEC TS
19770-13**

**Information technology — IT asset
management —**

Part 13:
**Guidance on the incorporation of
sustainability aspects in an IT asset
management system**

Technologies de l'information — Gestion de biens de logiciel —

*Partie 13: Recommandations pour l'intégration d'aspects de
durabilité dans un système de gestion de biens de logiciel*

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives or www.iec.ch/members_experts/refdocs).

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This document was prepared by the Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 7, *Software and systems engineering*.

A list of all parts in the ISO/IEC 19770 series can be found on the ISO and IEC websites.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html and www.iec.ch/national-committees.

Introduction

The document is intended to address sustainability aspects related to the use of IT assets and their management, defined as “IT asset management” (ITAM) in ISO/IEC 19770-1, and provide an overview of relevant developments regarding green IT in a broad approach. In understanding and developing an alignment of interest in tackling IT-related sustainability challenges, organizations can contribute toward positive environmental and social outcomes, improve their ITAM, address externalities from IT assets, mitigate related risk, realize opportunity, and drive value from a transition to green IT. This document is also designed to support organizations in the incorporation of fundamental sustainability principles, practices, and terminology, hereinafter summarized as “sustainability aspects” into their “IT asset management system” (ITAMS), to help achieve these mutually beneficial outcomes. Some elements of this document can also support an organization to align with the specifications of ISO 14001, ISO 26000, ISO 50001, other ISO standards and international initiatives and conventions related to sustainability as appropriate.

This document provides guidance on how key sustainability aspects can be integrated at the organizational level into an existing ITAMS including recommendations related to the decarbonization of IT and, of similar importance, the fair and equitable treatment of ITAM personnel and the definition and implementation of sustainable ITAM policies. The use of green IT does not require the implementation of the principles described in this document, nor does the implementation of the principles lead directly to the exclusive use of green IT. Nevertheless, the transition to green IT is simplified by the adoption of these principles.

At this stage the term “sustainable ITAM” is not yet defined, enabling organizations to develop their own adoption approach. Although this document does not specify any requirements, the principles defined for driving sustainable ITAM can be considered as complementary to and can be implemented alongside other sustainability initiatives, requirements and an environmental, social and governance (ESG) framework adopted by an organization. Components of an ESG framework should already exist within the organization, at least in part, for example, as a basis to drive decarbonization of its portfolio and reduce emissions within its operational processes and value chain, in particular to enable the organization to prepare an emissions inventory, which also includes the calculation of their corporate carbon footprint (CCF) in accordance with the Green House Gas (GHG) Protocol Corporate Standard. In addition, application of the principles and guidance provided in this document can support an organization in adapting or enhancing these components, so that integration of sustainability is more effective and efficient as well as holistic and consistent.

Implementation of sustainable ITAM principles shall require interfacing with multiple organizational departments and internal and external roles, for example, those responsible for:

- enabling ESG strategic objectives through digital technology and services;
- managing and promoting ESG in general;
- setting and monitoring ESG progress against strategic objectives;
- measuring, analyzing and mapping of ESG performance and ESG related key performance indicators (KPIs);
- understanding and monitoring risk and threats related to ESG;
- engagement with and reporting to stakeholders on ESG issues;
- training on ESG and ESG capacity building.

The principles and guidance provided in this document can be used by personnel within an organization and those supporting and advising an organization on the application of sustainability principles for ITAM to manage the engagement with various stakeholders.

This document is designed so that an organization can apply the principles and guidance for sustainable ITAM to the extent applicable, regardless of its size, geographical presence, or core business. Organizations at different stages of an ITAMS or ESG integration can apply all or parts of the principles and guidance for sustainable ITAM, depending on existing ITAMS or ESG components, or both, and the degree of operational capability and capacity.

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The document is also designed to demonstrate alignment with related principles, guidance, and practices, so that the organization's stakeholders can assess progress in the implementation of sustainability principles for ITAM as well as changes to indicators used to measure the achievement of IT related ESG goals. In any case, continual improvement is a core aspect of an ITAMS. Thus, progression towards greater sustainability in ITAM also requires ongoing improvement of operational performance and progress related to sustainable outcomes. The main outcomes of the implementation of the principles and guidelines may include the following:

- sustainable ITAM statement or policy;
- strategic implementation plan for Sustainable ITAM;
- development of strategic goals on material ITAM related sustainability issues;
- development and implementation of metrics and KPIs for Sustainable ITAM;
- development and implementation of control and monitoring processes for KPIs;
- systematic review of existing ITAMS processes and resources;
- ITAM stakeholder engagement plan;
- scenario analysis, risk impact assessment and mitigation plan;
- benchmarking, peer review and gap analysis;
- external assurance.

NOTE 1 The structure and, in various parts, the contents of this document have been adopted from ISO 32210 as good practice for the development and implementation of a sustainability strategy in an organization with necessary adjustments required to address the application of this practice to ITAM.

NOTE 2 Certain areas and concepts presented in this document are still in a developmental stage, very dynamic and ever evolving. This applies in particular to the normalization and operationalization of IT-related sustainability requirements, related standards and legal frameworks.

Information technology — IT asset management —

Part 13:

Guidance on the incorporation of sustainability aspects in an IT asset management system

1 Scope

The document gives guidance to organizations on the incorporation of sustainability aspects for IT asset management (ITAM).

This document is applicable to any organization, regardless of size, type and nature, and applies to the sustainability aspects that an organization has implemented or will implement in its IT asset management system (ITAMS) in accordance with the scope definition of ISO/IEC 19770-1.

This document also addresses what is material from the perspective of the organization and of its stakeholders.

2 Normative references

There are no normative references in this document.

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