BS ISO/IEC 38505-1:2017

BSI Standards Publication

Information technology — Governance of IT — Governance of data —

Part 1: Application of ISO/IEC 38500 to the governance of data

National foreword

This British Standard is the UK implementation of ISO/IEC 38505-1:2017.

The UK participation in its preparation was entrusted to Technical Committee IST/60/1, Governance of Information Technology.

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

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Part 1: Application of ISO/IEC 38500 to the governance of data

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Contents

Page

Foreword

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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).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/IEC/JTC 1, *Information technology*, Subcommittee SC 40, *IT Service Management and IT Governance*.

Introduction

The objective of this document is to provide principles, definitions and a model for governing bodies to use when evaluating, directing and monitoring the handling and use of data in their organizations.

This document is a high level, principles-based advisory standard. In addition to providing broad guidance on the role of a governing body, it encourages organizations to use appropriate standards to underpin their governance of data.

All organizations use data, and the major proportion of this data is stored electronically across IT systems. With the advent of cloud computing, the realization of the potential of the "internet of things" and the increasing use of "big data" analytics, data is becoming easier to generate, gather, store and mine for useful information. This flood of data brings with it an urgent requirement and responsibility for governing bodies to ensure that valuable opportunities are leveraged and sensitive data is protected and secured.

This document has been prepared to provide guidelines to the members of governing bodies to apply a principles-based approach to the governance of data so as to increase the value of the data while decreasing the risks associated with this data. ISO/IEC 38500 provides principles and model for the governing bodies of organizations to guide their current use and to plan for their future use of Information technology (IT), and it is that document that is applied here.

As with ISO/IEC 38500, this document is addressed primarily to the governing body of an organization, and will equally apply regardless of the size of the organization or its industry or sector. Governance is distinct from management and thus we are concerned with evaluating, directing and monitoring the use of data, rather than the mechanics of storing, retrieving or managing the data. That being said, an understanding of some data management and techniques is outlined in order to enunciate the possible strategies and policies that could be directed by the governing body.

INTERNATIONAL STANDARD **ISO/IEC 38505-1:2017(E)**

Information technology — Governance of IT — Governance of data —

Part 1: Application of ISO/IEC 38500 to the governance of data

1 Scope

This document provides guiding principles for members of governing bodies of organizations (which can comprise owners, directors, partners, executive managers, or similar) on the effective, efficient, and acceptable use of data within their organizations by

— applying the governance principles and model of ISO/IEC 38500 to the governance of data,

— assuring stakeholders that, if the principles and practices proposed by this document are followed, they can have confidence in the organization's governance of data,

— informing and guiding governing bodies in the use and protection of data in their organization, and

— establishing a vocabulary for the governance of data.

This document can also provide guidance to a wider community, including:

— executive managers,

— external businesses or technical specialists, such as legal or accounting specialists, retail or industrial associations, or professional bodies,

— internal and external service providers (including consultants), and

— auditors.

While this document looks at the governance of data and its use within an organization, guidance on the implementation arrangement for the effective governance of IT in general is found in ISO/IEC/TS 38501. The constructs in ISO/IEC/TS 38501 can help to identify internal and external factors relating to the governance of IT and help to define beneficial outcomes and identify evidence of success.

This document applies to the governance of the current and future use of data that is created, collected, stored or controlled by IT systems, and impacts the management processes and decisions relating to data.

This document defines the governance of data as a subset or domain of the governance of IT, which itself is a subset or domain of organizational, or in the case of a corporation, corporate governance.

This document is applicable to all organizations, including public and private companies, government entities, and not-for-profit organizations. This document is applicable to organizations of all sizes from the smallest to the largest, regardless of the extent of their dependence on data.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 38500, *Information technology — Governance of IT for the organization*