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Information technology — Business operational view —

Part 16: Consolidated set of the rules and guidelines identified in ISO/IEC 15944 Business Operational View standards and their IT-enablement

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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 Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 32, *Data management and interchange*.

A list of all parts in the ISO/IEC 15944 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.

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Introduction

0.1 Purpose and overview

All parts of the ISO/IEC 15944 BOV series are based on the first and primary characteristic of Open-edi that states that all actions are based on following clear and predefined rules (see ISO/IEC 15944-1:2023, 5.1).

This rule-based approach is central to all existing normative parts of ISO/IEC 15944 and is captured through a series of rules and (associated) guidelines. The main objective of this document is first to bring all these rules and guidelines together in a single document, and second provide an IT-enabled BOV rulebase model to facilitate business applications. The BOV rulebase model can also be used to the construction of other custom rulebases of eBusiness application requirements (e.g. "a rulebase that provide instructions and requirements for implementing aspects of privacy protection").

In keeping also with a central approach and philosophy of the ISO/IEC 15944 series, all rules and associated guidelines will be referenced using eBusiness rule IDs.

The purpose, therefore, of this document is four-fold:

1) to provide a consolidation of all normative rules and associated guidelines;

2) to provide a unique ID number for each rule and associated guideline within the overall ISO/IEC 15944 context;

3) to use a BOV rulebase model approach to capture and describe all BOV rulebases; and

4) to provide a systematic approach enhancing the IT-enablement.

0.2 IT systems environment neutrality

This document does not assume or endorse any specific system environment, database management system, database design paradigm, system development methodology, data definition language, command language, system interface, user interface, syntax, computing platform, or any technology required for implementation, i.e. it is information technology neutral. At the same time, this document maximizes an IT-enabled approach to its implementation and maximizes semantic interoperability.

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Information technology — Business operational view —

Part 16: Consolidated set of the rules and guidelines identified in ISO/IEC 15944 Business Operational View standards and their IT-enablement

1 Scope

This document provides a consolidated set of rules and associated guidelines as found and defined in the existing parts of the ISO/IEC 15944 series.

NOTE Not all parts of the ISO/IEC 15944 series have rules, that is ISO/IEC 15944-6, ISO/IEC 15944-14 and ISO/IEC 15944-20.

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 15944-2, *Information technology — Business operational view — Part 2: Registration of scenarios and their components as business objects*

ISO/IEC 15944-7, *Information technology — Business operational view — Part 7: eBusiness vocabulary*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
attribute
characteristic of an object or *entity* (3.21)

[SOURCE: ISO/IEC 15944-5:2008, 3.4]

3.2
business
series of processes, each having a clearly understood purpose, involving more than one *Person* (3.43), realized through the exchange of recorded information and directed towards some mutually agreed upon goal, extending over a period of time

[SOURCE: ISO/IEC 14662:2010, 3.2]

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