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**Information technology — Business
Operational View —**

Part 9:

**Business transaction traceability framework for
commitment exchange**

Technologie de l'information — Vue opérationnelle des affaires —

*Partie 9 : Cadre de traçabilité des transactions d'affaires pour
l'échange d'engagements*

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Information technology — Business Operational View —

Part 9:

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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 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*.

This second edition cancels and replaced the first edition (ISO/IEC 15944-9:2015), of which has been technically revised.

The main changes to normative text compared to the previous editions are as follows:

- Clause 1 (Scope) has been amended to move the detailed description of "Exclusions" and "Aspects not currently addressed" to a separate informative annex;
- Entries in Clause 2 and Clause 3 have been removed to be more conformant to ISO Directives;
- Definitions in Clause 3 have been updated to be aligned with other referenced source definitions;
- Clauses and annexes have been aligned to changes in ISO/IEC JTC1 Directives, Part 2;

In addition, there are minor edits of a temporal nature with respect to dated references, changes in URLs referenced, minor edits, change of font to Cambria, as well as application of the new "ISO House Style", etc.

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A list of all parts in [the ISO/IEC 15944 series](#) can be found on the [ISO website](#) 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](#), [www.iso.org/members.html](#) and [www.iec.ch/national-committees](#).

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Introduction

0.1 Purpose and overview

Modelling of a business transaction through scenarios and scenario components is done through specifying the applicable constraints using explicitly stated rules. The Open-edi Reference Model identified two basic classes of constraints, namely, “internal constraints” and “external constraints”. External constraints apply to most business transactions.–

Jurisdictional domains are the primary source of external constraints on a business transaction. Traceability requirements in turn are a common requirement of most jurisdictional domains, although they may result from explicit scenario demands from or on the parties to a business transaction, as well as the goal, i.e., nature of the business transaction. The internal constraints are imposed in Open-edi due to mutual agreements among parties to a business transaction and the external constraints are invoked by the nature of a business transaction due to applicable laws, regulations, policies, etc. of jurisdictional domains which need to be considered in Open-edi business transactions. All requirements in this document originate from external constraints. However, parties to a business transaction may well by mutual agreement apply external constraints of this nature as internal constraints.

In the actualization and post-actualization phases of a business transaction, traceability is needed for the movement of goods, services and/or rights from seller to buyer, and for the associated payment from buyer to seller. The focus therefore of this traceability framework standard is on commitment exchange among autonomous parties to a business transaction.

This document presents a framework consisting of several models, including a reference model, a model of concepts, a content model, an information model, as well as rules, templates and other technical specifications for traceability requirements based on internal or external constraints as applicable to a business transaction.–

0.2 ISO/IEC 14662 “Open-edi Reference Model”

ISO/IEC 14662—Information technology—Open-edi Reference Model¹ provides the conceptual architecture necessary for carrying out electronic business transactions among autonomous parties. That architecture identifies and describes the need to have two separate and related views of the business transaction. The first is the Business Operational View (BOV). The second is the Functional Service View (FSV). Figure 1 from ISO/IEC 14662:2010, Figure 1 illustrates the Open-edi

¹ ISO/IEC 14662(E/F) is an English/French, side-by-side, International Standard. Its 2010 3rd edition has become a stabilized standard and is now also an ISO/IEC declared “horizontal” standard, i.e., one serving as a base standard for those developing standards in the various fields of EDI, including eBusiness. The stabilized status of ISO/IEC 14662 was re-affirmed for another 10 years by ISO/IEC JTC1 in 2021. ISO/IEC 14662 has since its 1997 1st edition been an ISO/ISO freely available standard. [See further <https://standards.iso.org/ittf/PubliclyAvailableStandards/index.html>]

environment.—

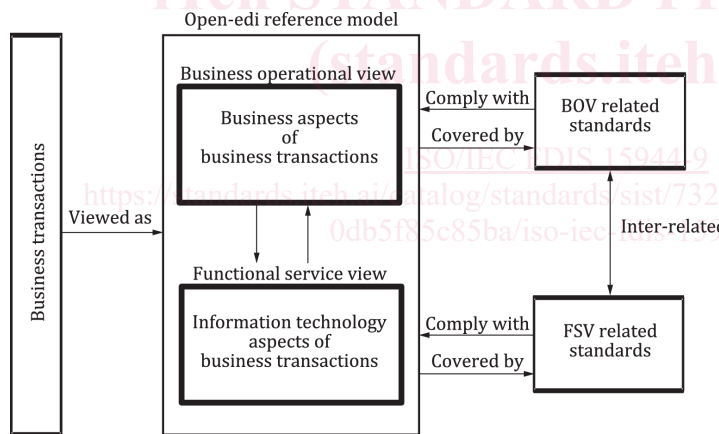
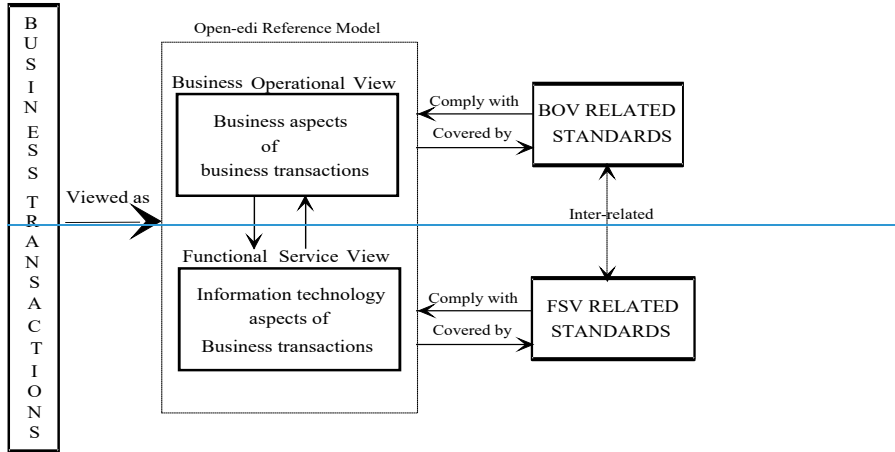


Figure 4.1 — Open-edi environment

According to ISO/IEC 14662:2010, clause Clause 5 contains the following text:

“The intention is that the sending, by an Open-edi Party, of information from a scenario, conforming to Open-edi standards, shall allow the acceptance and processing of that information in the context of that scenario by one or more Open-edi Parties by reference to the scenario and without the need for agreement. However, the legal requirements and/or liabilities resulting from the engagement of an organization in any Open-edi transaction may be conditioned by the competent legal environment(s) of the formation of a legal interchange agreement among the participating organizations. Open-edi Parties need to observe rule-based behaviour and possess the ability to make commitments in Open-edi, (e.g., business, operational, technical, legal, and/or audit perspectives)”.