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Chain of custody — General terminology and models

Chaîne de contrôle — Terminologie générale et modèles



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Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
3.1 Terms related to chain of custody design	1
3.2 Terms related to supply chain.....	2
3.3 Terms related to chain of custody models.....	3
3.4 Terms related to roles and responsibilities.....	4
3.5 Terms related to conformity assessment.....	5
3.6 Terms related to traceability.....	6
4 Chain of custody design	6
4.1 General.....	6
4.2 Roles and responsibilities	7
4.3 Properties of chain of custody models	7
5 Chain of custody models	9
5.1 Principles and requirements	9
5.2 Appropriate use of chain of custody models.....	10
5.3 Chain of custody models without mixing.....	11
5.3.1 Identity preserved model.....	11
5.3.2 Segregated model.....	12
5.4 Chain of custody models with mixing	14
5.4.1 Controlled blending model	14
5.4.2 Mass balance model.....	15
5.5 Book and claim model	17
6 General requirements for organizations active in a chain of custody	18
6.1 General.....	18
6.2 General requirements for implementation	18
6.3 Top management responsibility	19
6.4 Competence	19
6.5 Evaluating performance and dealing with non-conformities.....	19
6.6 Documented information.....	20
6.6.1 General.....	20
6.6.2 Control of documented information	21
6.7 Assurance	21
6.8 Conversion factor.....	22
6.9 Inventory balancing.....	22
6.10 Complaints procedure	22
6.11 Outsourcing.....	23
6.12 Communication	23
Annex A (informative) Traceability and chain of custody	24
Annex B (informative) Practical examples for using chain of custody models	25
Annex C (normative) Mass balance implementation	30
Bibliography	32

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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 ISO documents 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 of the voluntary nature of standards, 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 www.iso.org/iso/foreword.html.

This document was prepared by Project Committee ISO/PC 308, *Chain of custody — General terminology and models*.

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.

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Introduction

Understanding the origin of input materials, product components, product outputs and the conditions under which they are produced is becoming increasingly important. Manufacturers want to demonstrate compliance with requirements regarding health and safety, as well as environmental, social and quality-related aspects, while consumers or other end users need to be able to trust the claims made for these products. The main drivers are government policies, consumer and business demand. Companies directly active in a chain of custody (e.g. manufacturers, traders, logistic and transport service providers, retailers) as well as those investing in such companies (e.g. financial institutions, governments) need transparency to understand and manage risks, to secure quality and to facilitate the implementation of a reliable chain of custody system.

Chain of custody systems have become an indispensable element of many different applications, such as certification schemes for food safety, sustainable agriculture, forestry, aquaculture or fisheries, social compliance, manufacturing, construction and mineral mining. They enable information associated with a product and/or production characteristics to be shared among various organizations active in the chain of custody such as material and ingredient suppliers, processors, contractors, transportation companies, (private or regulatory) scheme owners, financial institutions, companies active in refurbishing and recycling, governmental organizations, end customers, and consumers or other end users.

Although these many systems differ in scope and use terminology relevant to the sector and product-specific needs, and might also diverge on semantics and presentation, they deal with the same challenges and are based on the same range of chain of custody models. The proliferation of systems and definitions causes unnecessary confusion, complexity and inconsistency. It also reduces the degree of trustworthiness of information (e.g. related claims) and increases costs for organizations active in the chain of custody. These complexities and resulting costs can be a barrier to market access, especially for smaller companies and developing countries.

The aim of this document is to provide

- unambiguous definitions of the different chain of custody models, and
- the corresponding requirements, which are independent of sectors, materials, products, and issues addressed.

These requirements are applicable to any organization operating at any step in the supply chain. Chain of custody models are also referred to as "chain of custody methods" or "chain of custody concepts". In this document, the term "chain of custody models" is used to describe the approach taken to control inputs and outputs and associated information in a particular chain of custody system. This multi-sector globally applicable International Standard serves as a reference point for existing and future commodity or sector specific chain of custody standards.

As each chain of custody model represents a different level of physical presence of the specified characteristic in the output, this document provides general guidance on the application of the defined chain of custody models, including initial guidance on the circumstances under which each chain of custody model might be appropriate.

This document does not specify or recommend a management system. Users can refer to this document, clearly stating which models of chain of custody described in this document are used as a basis in their chain of custody systems.