INTERNATIONAL STANDARD



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Security management systems for the supply chain — Best practices for implementing supply chain security, assessments and plans — Requirements and guidance

Systèmes de management de la sûreté pour la chaîne d'approvisionnement — Meilleures pratiques pour la mise en application de la sûreté de la chaîne d'approvisionnement, évaluations et plans — Exigences et guidage



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Foreword

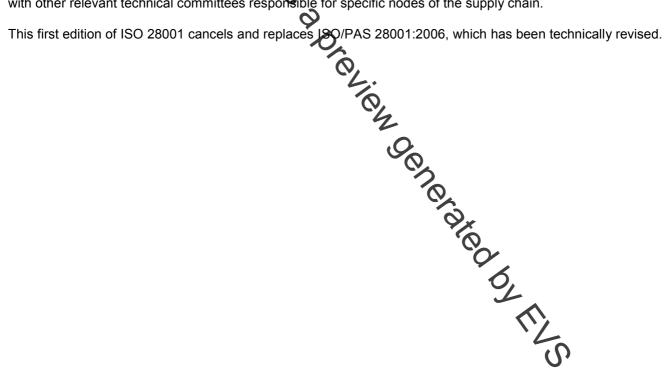
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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical convertees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires applora by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 28001 was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, in collaboration with other relevant technical committees responsible for specific nodes of the supply chain.



Introduction

Security incidents against international supply chains are threats to international trade and the economic growth of trading nations. People, goods, infrastructure and equipment — including means of transport — need to be protected against security incidents and their potentially devastating effects. Such protection benefits the economy and society as a whole.

International supply chains are highly dynamic and consist of many entities and business partners. This International Standard recognizes this complexity. It has been developed to allow an individual organization in the supply chain to apply its requirements in conformance with the organization's particular business model and its role and function in the international supply chain.

This International Standard provides an option for organizations to establish and document reasonable levels of security within international supply chains and their components. It will enable such organizations to make better risk-based decisions concerning the security in those international supply chains.

This International Standard is multimodal and is intended to be in concert with and to complement the World Customs Organization's Framework of Standards to secure and facilitate global trade (Framework). It does not attempt to cover, replace or supersede individual customs agencies' supply chain security programmes and their certification and validation requirements.

The use of this International Standard will help an organization to establish adequate levels of security within those part(s) of an international supply chain which it controls. It is also a basis for determining or validating the level of existing security within such organizations' supply chain(s) by internal or external auditors or by those government agencies that choose to use compliance with this International Standard as the baseline for acceptance into their supply chain security programmes. Customers, business partners, government agencies and others might request organizations which claim compliance with this International Standard to undergo an audit or a validation to confirm such compliance. Government agencies might find it mutually agreeable to accept validations conducted by other governments' agencies. If a third-party organization audit is to be conducted, then the organization needs to consider employing a third-party certification body accredited by a competent body, which is a member of the International Accreditation Forum (see Annex C).

It is not the intention of this International Standard to duplicate governmental requirements and standards regarding supply chain security in compliance with the WCO SOFE Framework. Organizations that have already been certified or validated by mutually recognizing governments are compliant with this International Standard.

Outputs resulting from this International Standard will be the following.

- A Statement of Coverage that defines the boundaries of the supply chain that is covered by the security plan.
- A Security Assessment that documents the vulnerabilities of the supply chair defined security threat scenarios. It also describes the impacts that can reasonably be expected from each of the potential security threat scenarios.
- A Security Plan that describes security measures in place to manage the security threat scenarios identified by the Security assessment.
- A training programme setting out how security personnel will be trained to meet their assigned security related duties.

To undertake the security assessment needed to produce the security plan, an organization using this International Standard will

- identify the threats posed (security threat scenarios);
- determine how likely persons could progress each of the security threat scenarios identified by the Security Assessment into a security incident.

This determination is made by reviewing the current state of security in the supply chain. Based on the findings of that review, professional judgment is used to identify how vulnerable the supply chain is to each security threat scenario.

If the supply chain is considered unacceptably vulnerable to a security threat scenario, the organization will develop additional procedures or operational changes to lower likelihood, consequence or both. These are called countermeasures. Based upon a system of priorities, countermeasures need to be incorporated into the security plan to reduce the thread to an acceptable level.

Annexes A and B are illustrative examples of risk management based security processes for protecting people, assets and international supply chain missions. They facilitate both a macro approach for complex supply chains and/or more discrete approaches or portions thereof.

These annexes are also intended to

- facilitate understanding, adoption and implementation of methodologies, which can be customized by organizations;
- provide guidance for baseline security management for continual improvement;
- assist organizations to manage resources to address sisting and emerging security risks;
- describe possible means for assessment of risk and mitigation of security threats in the supply chain from raw materiel allocation through storage, manufacturing and ransportation of finished goods to the market place.

Annex C provides guidance for obtaining advice and certification for this International Standard if an organization using it chooses to exercise this option.

Security management systems for the supply chain — Best practices for implementing supply chain security, assessments and plans — Requirements and guidance

1 Scope

This International Standard provides requirements and guidance for organizations in international supply chains to

- develop and implement supply chain security processes;
- establish and document a minimum level of security within a supply chain(s) or segment of a supply chain;
- assist in meeting the applicable athorized economic operator (AEO) criteria set forth in the World Customs Organization Framework Standards and conforming national supply chain security programmes.

NOTE Only a participating National Customs Agency can designate organizations as AEOs in accordance with its supply chain security programme and its attendant certification and validation requirements.

In addition, this International Standard establishes Operation documentation requirements that would permit verification.

Users of this International Standard will

- define the portion of an international supply chain within which they have established security (see 4.1);
- conduct security assessments on that portion of the upply chain and develop adequate countermeasures;
- develop and implement a supply chain security plan;
- train security personnel in their security related duties.

2 Normative references

The following referenced documents are indispensable for the application 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 20858:—¹⁾, Ships and marine technology — Maritime port facility security assessments and security plan development

¹⁾ To be published. Revision of ISO/PAS 20858:2004.

International Convention for the Safety of Life at Sea (SOLAS), 1974, as amended, International Maritime Organization

3 Terms and definitions

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

3.1

appropriate law enforcement and other government officials

those government and law enforcement personnel that have specific legal jurisdiction over the international supply chain or portions of t

3.2

asset(s)

plant, machinery, property, buildings, vehicles, ships, aircraft, conveyances and other items of infrastructure or plant and related systems that have a distinct and quantifiable business function or service

NOTE This definition includes any information system that is integral to the delivery of security and the application of security management.

3.3

authorized economic operator

party involved in the international movement foods in whatever function that has been approved by or on behalf of a national customs administration as complying with WCO or equivalent supply chain security standards

NOTE 1 Authorized economic operator is a term defined in the World Customs Organization Framework of Standards.

NOTE 2 Authorized economic operators include *inter alia* manufacturers, importers, exporters, brokers, carriers, consolidators, intermediaries, ports, airports, terminal operators, integrated operators, warehouses and distributors.

3.4

business partner

those contractors, suppliers or service providers that an organization contracts with to assist the organization in its function as an **organization in the supply chain** (3.15)

3.5

cargo transport unit

road freight vehicle, railway freight wagon, freight container, road tank vehicle, railway tank wagon or portable tank

3.6

consequence

loss of life, damage to property or economic disruption, including disruption to transport systems, that can reasonably be expected as a result of an attack on an organization in the supply chain or by the use of the supply chain as a weapon

3.7

conveyance

physical instrument of international trade that transports goods from one location to another

EXAMPLES Box, pallet, cargo transport unit, cargo handling equipment, truck, ship, aircraft and railcar.

3.8

countermeasures

actions taken to lower the likelihood of a security threat scenario succeeding in its objectives, or to reduce the likely consequences of a security threat scenario