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Graphic technology — Management of security printing processes

Technologie graphique — Management des procédés d'impression de sécurité

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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 Technical Committee ISO/TC130, *Graphic technology*.

This second edition cancels and replaces the first edition (ISO 14298:2013), which has been technically revised.

The main changes compared to the previous edition are as follows:

— definitions have been updated according to the latest version of ISO/IEC Directives, Part 1, Consolidated ISO Supplement;

— editorial changes have been applied;

— the lay-out has been updated.

A list of all parts in the ISO 14298 series can be found on the ISO website.

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

0.1 General

This document specifies requirements for a security printing management system for security printers.

Current security printing management practices lack sufficient guarantees that effective security controls are maintained to protect the interest of the customer as well as the general public. Using this document, the organization establishes, documents, implements and maintains a security printing management system. This security printing management system is regularly reviewed to continually improve its effectiveness. It is recognized that customer requirements sometimes exceed the requirements of this document, so the security printing management system also addresses customer requirements that are beyond the scope of this document.

The adoption of a security printing management system is a strategic decision of an organization. The design and implementation of an organization's security printing management system is influenced by varying needs, particular objectives, products provided, processes employed, security environment, cultural issues, legal limitations, risk assessment and by size and structure of the organization.

To achieve the objectives of this security printing management system standard, measures are taken to mitigate all of the security threats determined by an organizational risk assessment. Such controls focus upon reducing, eliminating and preventing acts that compromise the security printing management system of the organization.

It is not the intent of this document to obtain uniformity in the structure of the security printing management system or uniformity of documented information. The security printing management system complies with laws and regulations in force. The requirements specified in this document are supplementary to requirements for products and processes of an organization and allow for additional specific requirements from the customer.

This document is intended to apply to security printers. It contains requirements that when implemented by a security printer may be objectively audited for certification/registration purposes.

0.2 Process approach

This document promotes the adoption of a process approach when developing, implementing and improving the effectiveness of a security printing management system.

The application of a system of processes within an organization, together with the identification and interaction of these processes, and their management, is referred to as a "process approach". An advantage of a "process approach" is the ongoing control that it provides over the interaction between individual processes within the system of processes, as well as over their combination.

0.3 Basic principles

When implemented, the security printing management system:

a) achieves the security of products, processes, means of production, premises, information, raw material supplies;

b) is used to continue to meet demonstrably the requirements, and naturally, the needs of customers;

c) affords management the confidence that the targeted degree of security is actually achieved and remains effective;

d) affords the customers the confidence that the agreed nature and degree of security is or will be attained.

This document prescribes which elements a security printing management system contains and not how a specific organization implements these elements.

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1 Scope

This document specifies requirements for a security printing management system for security printers.

This document specifies a minimum set of security printing management system requirements. Organizations ensure that customer security requirements are met as appropriate, provided these do not conflict with the requirements of this document.

2 Normative references

There are no normative references in this document.

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
organization
person or group of people that has its own functions with responsibilities, authorities and relationships to achieve its *objectives* (3.8)

Note 1 to entry: The concept of organization includes but is not limited to sole-trader, company, corporation, firm, enterprise, authority, partnership, charity or institution, or part or combination thereof, whether incorporated or not, public or private.

3.2
interested party
stakeholder
person or *organization* (3.1) that can affect, be affected by, or perceive itself to be affected by a decision or activity

3.3
requirement
need or expectation that is stated, generally implied or obligatory

Note 1 to entry: "Generally implied" means that it is custom or common practice for the organization and interested parties that the need or expectation under consideration is implied.

Note 2 to entry: A specified requirement is one that is stated, for example in documented information.

3.4
management system
set of interrelated or interacting elements of an *organization* (3.1) to establish *policies* (3.7) and *objectives* (3.8), and *processes* (3.12) to achieve those objectives

Note 1 to entry: A management system can address a single discipline or several disciplines.

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