

---

---

## Graphic technology — Management of security printing processes

*Technologie graphique — Management des procédés d'impression de  
sécurité*



This document is a preview generated by EBS



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2013

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

Page

<b>Foreword</b>	<b>iv</b>
<b>Introduction</b>	<b>v</b>
<b>1 Scope</b>	<b>1</b>
<b>2 Normative references</b>	<b>1</b>
<b>3 Terms and definitions</b>	<b>1</b>
<b>4 Context of the organization</b>	<b>5</b>
4.1 Understanding the organization and its context	5
4.2 Understanding the needs and expectations of interested parties	5
4.3 Determining the scope of the security printing management system	6
4.4 Security printing management system	6
<b>5 Leadership</b>	<b>7</b>
5.1 Leadership and commitment	7
5.2 Policy	8
5.3 Organization roles, responsibilities and authorities	8
<b>6 Planning</b>	<b>9</b>
6.1 Actions to address risks and opportunities	9
6.2 Security objectives and planning to achieve them	9
6.3 Security printing management system planning	10
<b>7 Support</b>	<b>10</b>
7.1 Resources	10
7.2 Competence	10
7.3 Awareness	11
7.4 Communication	11
7.5 Documented information	11
<b>8 Operation</b>	<b>13</b>
<b>9 Performance evaluation</b>	<b>13</b>
9.1 Monitoring, measurement, analysis and evaluation	13
9.2 Internal audit	14
9.3 Management review	14
<b>10 Improvement</b>	<b>15</b>
10.1 Nonconformity, security breaches and corrective actions	15
10.2 Preventive actions	15
10.3 Continual improvement	16
<b>Annex A (normative) Determination of security requirements related to the security printing management system</b>	<b>17</b>
<b>Bibliography</b>	<b>20</b>

## 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. [www.iso.org/directives](http://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. [www.iso.org/patents](http://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.

The committee responsible for this document is ISO/TC 130, *Graphic technology*.

# Introduction

## General

This International Standard 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 International Standard 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 International Standard so the security printing management system also addresses customer requirements that are beyond the scope of this International Standard.

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 International Standard 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 International Standard are supplementary to requirements for products and processes of an organization and allow for additional specific requirements from the customer.

This International Standard 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.

## Process approach

This International Standard 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.

## 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 International Standard prescribes which elements a security printing management system contains and not how a specific organization implements these elements.



# Graphic technology — Management of security printing processes

## 1 Scope

This International Standard specifies requirements for a security printing management system for security printers.

This International Standard 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 International Standard.

## 2 Normative references

No normative references are cited.

## 3 Terms and definitions

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

**NOTE** Italic type in a definition indicates a cross-reference to another term defined in this clause; the number reference for the term is given in parentheses.

### 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 themselves 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.