



**International  
Standard**

**ISO/IEC 7184**

**Office equipment — Security  
requirements for hard copy devices  
(HCDs) — Part 1: Definition of the  
basic requirements**

*Équipement de bureau — Exigences de sécurité pour les appareils  
de reprographie (HCD) — Partie 1: Définition des exigences de  
base*

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# 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 Requirements</b> .....	<b>4</b>
4.1 Security functional requirements.....	4
4.1.1 Overview.....	4
4.1.2 Identification and authentication.....	4
4.1.3 Security management.....	5
4.1.4 Software update.....	6
4.1.5 Field-replaceable nonvolatile storage data protection.....	6
4.1.6 Internet communication data protection.....	7
4.1.7 PSTN and network separation.....	7
4.2 Security assurance requirement.....	7
4.2.1 Overview.....	7
4.2.2 Configuration management.....	8
4.2.3 Operational environment.....	8
4.2.4 Flaw remediation.....	8
4.3 Vulnerability assessment.....	9
4.3.1 Overview.....	9
4.3.2 Verification by vulnerability scanners.....	9
4.3.3 Closure of unused TCP/UDP ports.....	9
4.3.4 Closure of debug ports.....	9
<b>Bibliography</b> .....	<b>10</b>

## Foreword

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 28, *Office equipment*.

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](http://www.iso.org/members.html) and [www.iec.ch/national-committees](http://www.iec.ch/national-committees).

## Introduction

The need for a secure working environment is increasing with the progress and spread of information and communications technology.

In particular, there are high security needs in the office environment where company information and customer information are handled.

With hard copy device (HCD) office equipment, it is common practice for many manufacturers to acquire common criteria (CC) certification and demonstrate to customers that they meet the Protection Profile, which defines the security requirements, environment, and so on required for HCD product areas.

While CC certification is a standard that guarantees relatively high security functionality, there is no indicator that shows the level of security functionality for models other than CC certified models. This causes confusion when selecting a model that has appropriate security functionality for use as office equipment and not intended for home use.

If HCDs are used in the office without proper model selection, security risks are introduced.

It is necessary to establish an index that can judge whether or not the appropriate security functionality is satisfied as office equipment.

Among them, this time, as office equipment, an index was created that defines the basic security requirements for small office, home office users.



# Office equipment — Security requirements for hard copy devices (HCDs) — Part 1: Definition of the basic requirements

## 1 Scope

This document defines basic security requirements for the protection of hard copy devices (HCDs) including identification and authentication, security management, software update, field-replaceable nonvolatile storage data protection, network data protection and public switched telephone network (PSTN) fax-network separation.

It can be applied to office equipment with network functions including printers, scanners, fax machines, digital copiers, and digital multi-function machines, specifically for small office and home office users.

This document assumes a small, private information processing environment in which most elements of security are provided by the physical environment. In such an environment is assumed to be physically and logically protected from threats originating from outside of that environment, typically by limiting physical access to the HCD and connecting it to a LAN that is protected from the public Internet. A small office or home office would be a typical example of this environment.

Please note that the requirements outlined in this document are not intended to replace the existing Common Criteria Certification for hardcopy devices which ensure the minimum-security requirements for enterprise environment. For example, aspects being required in Common Criteria Certification such as audit data generation, self-test capabilities, and protection of key material are not adequately addressed.

## 2 Normative references

There are no normative references in this document.