



IEEE Standard Protection Profile for Hardcopy Devices in IEEE Std 2600TM-2008 Operational Environment C

IEEE Computer Society

Sponsored by the
Information Assurance Committee

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Abstract: A Protection Profile for Hardcopy Devices in a public-facing environment is provided in this standard in which document security is not guaranteed, but access control and usage accounting are important to the operator of the environment. A retail copy center, public library, Internet café, and hotel business center are typical applications of this environment. This environment will be known as “Operational Environment C.”

Keywords: all-in-one, Common Criteria, copier, disk overwrite, document, document server, document storage and retrieval, facsimile, fax, hardcopy, ISO/IEC 15408, multifunction device (MFD), multifunction product (MFP), network, network interface, nonvolatile storage, office, paper, printer, Protection Profile, residual data, scanner, security target, shared communications medium, temporary data

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This introduction is not part of IEEE Std 2600.3™-2009, IEEE Standard Protection Profile for Hardcopy Devices in IEEE Std 2600™-2008 Operational Environment C.

This document is a standard for a Common Criteria Protection Profile for Hardcopy Devices. It is intended to be used by manufacturers of Hardcopy Devices to write conformant Security Target documents for Common Criteria certification of their hardcopy device products. It may also be used to write conformant Protection Profiles for Hardcopy Devices.

This standard is related to IEEE Std 2600™-2008. IEEE Std 2600-2008 is a more general standard for hardcopy device security and contains a large amount of content that is beyond the scope of or otherwise inappropriate for a Common Criteria Protection Profile. The two standards are related by way of the compliance clause of IEEE Std 2600-2008. With some well-defined exceptions, 8.1.3 of IEEE Std 2600-2008 contains Security Objectives that are technically consistent with the Security Objectives (APE_OBJ) clause of this document. The exceptions to this consistency between IEEE Std 2600 and this standard are distinguished by the use of the word “should” instead of “shall” in IEEE Std 2600-2008 and the absence of those objectives in this standard.

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1. Overview

1.1 Scope

This standard is for a Protection Profile for Hardcopy Devices in a public-facing environment in which document security is not guaranteed, but access control and usage accounting are important to the operator of the environment. A retail copy center, public library, Internet café, and hotel business center are typical applications of this environment. This environment will be known as “Operational Environment C.”

1.2 Purpose

The purpose of this standard is to create a security Protection Profile (PP) for Hardcopy Devices in Operational Environment C as defined in IEEE Std 2600™-2008.¹

1.3 Application notes

Application notes are provided where they may contribute to the reader’s understanding. These notes, while not part of the formal statement of this Protection Profile, are included as an acknowledgment of the diverse uses of this document and are intended to provide guidance to its users.

¹ Information on references can be found in Clause 2.