



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

IEEE Computer Society

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Abstract: A Protection Profile for Hardcopy Devices in a small, private information processing environment is discussed in this standard in which most elements of security are provided by the physical environment, but basic network security is needed to protect the device and its network from misuse from outside of the environment. Small offices and home offices are typical applications of this environment. This environment will be known as “Operational Environment D.”

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 communication medium, temporary data

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This introduction is not part of IEEE Std 2600.4™-2010, IEEE Standard Protection Profile for Hardcopy Devices in IEEE Std 2600™-2008 Operational Environment D.

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 in 1.4 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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Don Wright, Chair **Lee Farrell, Vice Chair**
Brian Smithson, Secretary and Lead Editor
Carmen Aubry, Nancy Chen, Ron Nevo, and Alan Sukert, Editors

Shah Bhatti
Peter Cybuck
Nick Del Re
Satoshi Fujitani
Tom Haapanen
Akihiko Iwasaki

Harry Lewis
Takanori Masui
Yusuke Ohta
Ken Ota
Glen Petrie
Amir Shahindoust

Jerry Thrasher
Hiroki Uchiyama
Shigeru Ueda
Brian Volkoff
Bill Wagner
Sameer Yami

The following members of the balloting committee voted on this standard. Balloters may have voted for approval, disapproval, or abstention.

Carmen Aubry
Matthew Ball
Ying Chen
Danila Chernestov
Keith Chow
Paul Croll
Geoffrey Darnton
Nick Del Re
Russell Dietz

Lee Farrell
Randall Groves
Mark Henley
Werner Hoelzl
Raj Jain
Piotr Karocki
G. Luri
Edward McCall
Michael S. Newman

Stephen Schwarm
Steven Smith
Brian Smithson
Thomas Starai
Jerry Thrasher
Thomas Tullia
Paul Work
Forrest Wright
Sameer Yami

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1. Overview

1.1 Scope

This standard is for a Protection Profile for Hardcopy Devices in a small, private information processing environment in which most elements of security are provided by the physical environment, but basic network security is needed to protect the device and its network from misuse from outside of the environment. Small offices and home offices are typical applications of this environment. This environment will be known as “Operational Environment D.”

1.2 Purpose

The purpose of this standard is to create a security Protection Profile (PP) for Hardcopy Devices in Operational Environment D 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.