

P2600 Protection Profile Guide

Outline for Initial Version

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Chapter 1. INTRODUCTION (Al)

1.1 Purpose and Scope

Provide explanatory information on:

- The content/format of the P2600 Operational Environment Protection Profile (PPs)
- Key decisions that were made that influenced the content/format of the P2600 Operational Environment PPs

Provide guidance on how to write a Common Criteria compliant Security Target (ST) and PPs against one of the P2600 Operational Environment PPs

- Ensure a consistency across all vendors of PPs and STs created from one of the P2600 Operational Environment PPs
- Applies to the scheme the P2600 Operational Environment PPs were certified in

1.2 Audience

- ST authors and CCTLs/consultants who write STs for vendors
- Customers & individuals involved in HCD procurements
- Vendors and their product developers

1.3 Organization of the Guide

Summary of what is in each section of the guide

Chapter 2. PROTECTION PROFILES (Al)

2.1 Introduction

- Overview of what the Common Criteria is
- Overview of what a Protection Profile is in the context of the Common Criteria

2.2 Protection Profile Contents

- Summary of what the general contents of a Protection Profile is per the Common Criteria

2.3 Protection Profile Uses

- Summary of how Protection Profiles are used per the Common Criteria

Chapter 3. P2600 STANDARD (Peter / Al)

3.1 Introduction

- Provide a summary of the P2600 standard:
 1. What the purpose of the standard is
 2. Include a separate subsection briefly describing:
 - Each section of the P2600 standard and the information it contains
 - Each of the four Operational Environments (could be an extract from P2600 Clause 4)
 3. Include a brief history on how the P2600 Standard was created.

3.2 Relationship to P2600 Operational Environment PPs

Describe how the P2600 Operational Environment PPs and the P2600 standard are related.

1. Note that the objectives of the PPs are reflected in the compliance clause of the main P2600 standard.

Chapter 4. P2600 OPERATIONAL ENVIRONMENT PROTECTION PROFILES (Brian)

4.1 Introduction

- Brief discussion on what is in this section

4.2 P2600 Operational Environment PP Creation

- Separate subsections on the following topics:

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1. Explaining how the PPs were formulated (e.g., additional explanation of App Notes)
2. Explain why certain decisions were made, why certain threats did or did not end up in PPs, etc.

4.3 P2600 Operational Environment PP Description

- Separate subsection on each of the four Operational Environments PPs
- Focus on the distinctions among the four Operational Environments PPs

Chapter 5. P2600 OPERATIONAL ENVIRONMENT PROTECTION PROFILES USAGE

5.1 Introduction

- Brief discussion on what is in this section

5.2 Usage Guidelines

5.2.1 Vendor Usage Guidelines (**Carmen**)

- Separate section for vendors guidance to include:
 1. How to interpret what products belong in which Operational Environments - distinctions among 4 environment
 2. How the PPs allow vendors to be compliant without indicating a specific implementation (i.e., allow for flexibility)
 3. Show important "To dos" and "Not to dos"

5.2.2 ST Author Usage Guidelines (**Nancy / Carmen**)

- Separate section for ST authors guidance to include:
 1. General introduction about guidance and what is expected of ST authors
 2. What SFRs/threats/objectives apply to each environment
 3. Confidential vs. protected data - definitions, examples, how to choose what data should be specified in an ST, etc
 4. How to interpret what products belong in which Operational Environment - distinctions among 4 environments
 5. Examples showing multiple ways to meet requirements
 6. Show important "To dos" and "Not to dos"
 7. Table that shows what PPs from the Family of PPs should be incorporated into ST for a given Operational Environment and TOE

5.2.3 Customer Usage Guidelines (**Lee**)

Discuss what customers should look for in products to be certified.
Discuss how a customer should choose an operational environment to match their particular needs.

1. Highlight items such as the fact that devices to be compliant with or certified against Operational Environment A may be needed as islands in otherwise Operational Environments B or C.
2. Discuss how devices to be compliant with or certified against Operational Environments A or B may be needed in a branch office or telecommuter's home if they are dealing with sensitive information.

5.2.4 Claiming Product Compliance (**TBD**)

Describe options for using the Operational Environments PPs for compliance and certification.

1. Discuss how a vendor or customer can claim a product complies with the P2600 Standard in one or more environments or they can get a product certified against one of the Operational Environments PPs.
2. Mention that certification implies compliance but adds independent validation of vendor claims.
3. Provide the specific language that a vendor or customer can use to make their claim (Note: we need to work that out with IEEE).
4. Discuss how to interpret the meaning of compliance or certification by a customer or vendor.

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5.3 Examples

- Provide actual examples on how to construct ST sections for a product using one of the P2600 Operational Environment PPs (e.g., what applies to a typical type of HCD, etc).
- Include sample text for each ST section based on one of the PPs (if we can find any)
- Provide examples showing multiple ways to meet requirements

Chapter 6. P2600 OPERATIONAL ENVIRONMENT PROTECTION PROFILES FAQs (Ron)

- Set of FAQs about the use of the P2600 Operational Environment PPs. Some of the items that should be included here are:
 1. Where (and to whom) to send questions on PP text (e.g., applicable URL pointers)
 2. Provide a pointer to the list of certified and/or compliant products.

GLOSSARY

ACRONYMS

BIBLIOGRAPHY

International Perspectives (Peter)

Appendix A Future Considerations

Items to be considered in future versions of this guide:

1. Guidance on how to evaluate a TOE based on the P2600 Operational Environment PPs
2. Scheme-specific policies and interpretations that cross multiple schemes
3. Certification issues in specific countries (e.g., unique Scheme policies)
4. How to deal with updates of CC and the relation to existing PPs and current / new STs
5. ST evaluators and PP validator guidance