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Information technology — Security techniques — Guidance for the production of protection profiles and security targets

Technologies de l'information — Techniques de sécurité — Guide pour la production de profils de protection et de cibles de sécurité



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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

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 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/IEC JTC 1, *Information technology, SC 27, IT Security techniques*.

This third edition cancels and replaces the second edition (ISO/IEC TR 15446:2009), which has been technically revised.

Introduction

This document is an adjunct to ISO/IEC 15408 (all parts). ISO/IEC 15408 introduces the concepts of *Protection Profiles* (PPs) and *Security Targets* (STs). A Protection Profile is an implementation-independent statement of security needs for a type of IT product that can then be evaluated against ISO/IEC 15408, whereas a Security Target is a statement of security needs for a specific ISO/IEC 15408 target of evaluation (TOE).

Unlike previous editions, the third edition of ISO/IEC 15408 (all parts) provides a comprehensive explanation of *what* needs to go into a PP or ST. However, the third edition of ISO/IEC 15408 still does not provide any explanation or guidance of *how* to go about creating a PP or ST, or how to use a PP or ST in practice when specifying, designing or implementing secure systems.

This document is intended to fill that gap. It represents the collective experience over many years from leading experts in ISO/IEC 15408 evaluation and the development of secure IT products.