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## Information technology — Security techniques — Refining software vulnerability analysis under ISO/IEC 15408 and ISO/IEC 18045

*Technologies de l'information — Techniques de sécurité — Redéfinition de l'analyse de vulnérabilité de logiciel selon l'ISO/CEI 15408 et l'ISO/CEI 18045*

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## Contents

Page

Foreword .....	iv
Introduction.....	v
1 Scope .....	1
2 Terms and definitions .....	1
3 Abbreviated terms .....	3
4 Background Context .....	4
5 Overview.....	9
5.1 Purpose .....	9
6 Vulnerability Assessment Activities.....	10
6.1 Determine relevant potential vulnerabilities.....	10
6.1.1 Identify relevant weaknesses and attack patterns from existing structured assurance case.....	12
6.1.2 Identify relevant weaknesses and attack patterns from public sources.....	12
6.2 Assess TOE susceptibility to attack.....	15
6.2.1 Design and specify security/penetration testing .....	15
6.2.2 Execute and document security/penetration testing.....	15
6.3 Report on exploitable vulnerabilities .....	16
Bibliography.....	17

## 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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

In exceptional circumstances, when the joint technical committee has collected data of a different kind from that which is normally published as an International Standard ("state of the art", for example), it may decide to publish a Technical Report. A Technical Report is entirely informative in nature and shall be subject to review every five years in the same manner as an International Standard.

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## Introduction

This Technical Report provides added refinement, detail and guidance to the vulnerability analysis activities outlined in ISO/IEC 18045:2008(E). It is intended to be used in conjunction with and as an addendum to ISO/IEC 18045:2008(E). The refinement, detail and guidance provided by this document are not intended to satisfy the full range of requirements under the AVA\_VAN family as defined in ISO/IEC 18045:2008(E) or to artificially restrict the activities performed by evaluators but rather to facilitate consistency through a minimal baseline of AVA\_VAN evaluation.

The target audience for this Technical Report is primarily evaluators applying ISO/IEC 15408 and certifiers confirming evaluator actions; evaluation sponsors, developers, PP/ST authors and other parties interested in IT security are a secondary audience.

This Technical Report recognizes that not all questions concerning IT security evaluation will be answered herein and that further interpretations will be needed. Individual schemes will determine how to handle such interpretations and other guidance, although these can be subject to mutual recognition agreements.