
**Information security, cybersecurity
and privacy protection — Evaluation
criteria for IT security —**

**Part 1:
Introduction and general model**

*Sécurité de l'information, cybersécurité et protection de la vie
privée — Critères d'évaluation pour la sécurité des technologies de
l'information —*

Partie 1: Introduction et modèle général



Reference number
ISO/IEC 15408-1:2022(E)

© ISO/IEC 2022



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2022

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword	vi
Introduction	viii
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Abbreviated terms	13
5 Overview	15
5.1 General	15
5.2 ISO/IEC 15408 series description	15
5.2.1 General	15
5.2.2 Audience	16
5.3 Target of evaluation (TOE)	19
5.3.1 General	19
5.3.2 TOE boundaries	19
5.3.3 Different representations of the TOE	20
5.3.4 Different configurations of the TOE	20
5.3.5 Operational environment of the TOE	20
5.4 Presentation of material in this document	21
6 General model	21
6.1 Background	21
6.2 Assets and security controls	21
6.3 Core constructs of the paradigm of the ISO/IEC 15408 series	24
6.3.1 General	24
6.3.2 Conformance types	24
6.3.3 Communicating security requirements	24
6.3.4 Meeting the needs of consumers (risk owners)	27
7 Specifying security requirements	29
7.1 Security problem definition (SPD)	29
7.1.1 General	29
7.1.2 Threats	29
7.1.3 Organizational security policies (OSPs)	30
7.1.4 Assumptions	30
7.2 Security objectives	31
7.2.1 General	31
7.2.2 Security objectives for the TOE	31
7.2.3 Security objectives for the operational environment	31
7.2.4 Relation between security objectives and the SPD	32
7.2.5 Tracing between security objectives and the SPD	32
7.2.6 Providing a justification for the tracing	33
7.2.7 On countering threats	33
7.2.8 Security objectives: conclusion	33
7.3 Security requirements	33
7.3.1 General	33
7.3.2 Security Functional Requirements (SFRs)	34
7.3.3 Security assurance requirements (SARs)	36
7.3.4 Security requirements: conclusion	37
8 Security components	38
8.1 Hierarchical structure of security components	38
8.1.1 General	38
8.1.2 Class	38
8.1.3 Family	39