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Information technology -- Security techniques - Application security -- Part 5: Protocols and
application security controls data structure

Developed by



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INCITS/ISO/IEC 27034-5:2017 (2019)

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Partie 5: Protocoles et structure de données de contrôles de sécurité d'application



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Foreword

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

A list of all parts in the ISO/IEC 27034 series can be found on the ISO website.

Introduction

General

There is an increasing need for organizations to focus on protecting their information at the application level. A systematic approach towards increasing the level of application security provides an organization with evidence that information being used or stored by its applications is being adequately protected.

ISO/IEC 27034 (all parts) provides concepts, principles, frameworks, components and processes to assist organizations in integrating security seamlessly throughout the life cycle of their applications.

The Application Security Control (ASC) is one of the key components of this document.

To facilitate the implementation of ISO/IEC 27034 (all parts) application security framework and the communication and exchange of ASCs, a minimal set of essential attributes should be documented and explained for realizing ASCs and certain other components of the framework.

This document explains the minimal set of essential attributes of ASCs and further details the Application Security Life Cycle Reference Model (ASLCRM).

Purpose

The purpose of this document is to document and explain the essential information and data structure requirements for ASCs. The advantages of a standardized set of essential information attributes and data structure of ASCs include the following:

- a) normalized ASC creation, communication, protection and verification in compliance with the requirements of this document; and
- b) minimized cost of security in application projects by facilitating the reuse of approved controls and acquisition of ASCs from different sources."

In addition, this document defines and details the processes, activities and roles involved in the Application Security Life Cycle Reference Model.

Targeted audiences

General

The following audiences will find values and benefits when carrying their designated organizational roles:

- a) managers;
- b) ONF committee;
- c) domain experts;
- d) suppliers; and
- e) acquirers.

Managers

Managers should read this document because they are responsible for:

- a) ensuring the ASCs are reusable within the organization, and
- b) ensuring the ASCs are available, communicated and used in application projects with proper tools and procedures all across the organization.