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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.

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Introduction

0.1 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 formal structure should be defined for representing ASCs and certain other components of the framework.

0.2 Purpose

The purpose of this document is to provide examples of security guidance for organizations to acquire, develop, outsource and manage security for their specific applications through their life cycle.

0.3 Targeted Audiences

0.3.1 General

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

a) domain experts.

0.3.2 Domain experts

Domain experts contributing knowledge in application provisioning, operating or auditing, who need to

a) participate in ASC development, validation and verification,

b) participate in ASC implementation and maintenance, by proposing strategies, components and implementation processes for adapting ASCs to the organization's context, and

c) validate that ASCs are useable and useful in application projects.