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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 document 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 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*, Subcommittee SC 7, *Software and systems engineering*.

Introduction

The purpose of this document is to provide an International Standard that defines work product reviews, such as inspections, reviews and walkthroughs that can be used at any stage of the software and systems life cycle. It can be used to review any system or software work product. This document defines a generic process for work product reviews that can be configured based on the purpose of the review and the constraints of the reviewing organization. The intent is to describe a generic process that can be applied both efficiently and effectively by any organization to any work product.

The main objectives of reviews are to detect issues, to evaluate alternatives, to improve organizational and personal processes, and to improve work products. When applied early in the life cycle, reviews are typically shown to reduce the amount of unnecessary rework on a project. The work product review techniques presented in this document can be used at various stages of the generic review process to identify defects and evaluate the quality of the work product.

Review documents that are produced during work product reviews are defined in [Annex A](#).

Software and systems engineering — Work product reviews

1 Scope

This document establishes a generic framework for work product reviews that can be referenced and used by all organizations involved in the management, development, test and maintenance of systems and software. It contains a generic process, activities, tasks, review techniques and documentation templates that are applied during the review of a work product. A work product is any artefact produced by a process. This document defines work product reviews that can be used during any phase of the life cycle of any work product. This document is intended for, but not limited to, project managers, development managers, quality managers, test managers, business analysts, developers, testers, customers and all those involved in the development, testing and maintenance of systems and software.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC/IEEE 24765, *Systems and software engineering — Vocabulary*