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Software engineering — Product evaluation —

Part 2: Planning and management

*Ingénierie du logiciel — Évaluation du produit —
Partie 2: Planification et gestion*



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ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 734 10 79
E-mail copyright@iso.ch
Web www.iso.ch

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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. 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.

International Standard ISO/IEC 14598-2 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 7, *Software engineering*.

ISO/IEC 14598 consists of the following parts, under the general title *Software engineering — Product evaluation*:

- *Part 1: General overview*
- *Part 2: Planning and management*
- *Part 3: Process for developers*
- *Part 4: Process for acquirers*
- *Part 5: Process for evaluators*
- *Part 6: Documentation of evaluation modules*

Annex A forms a normative part of this part of ISO/IEC 14598.

Introduction

This part of ISO/IEC 14598 provides details about the planning and management requirements which are associated with software product evaluation.

While this part of ISO/IEC 14598 is mainly concerned with product evaluation, wherever it is relevant the corresponding process evaluation activities are also discussed.

This part of ISO/IEC 14598 aims to clarify the requirements which should be provided by the organisation in order to ensure the success of the evaluation. This supporting function can be part of the organisation (e.g. a Technical Group), or a specially created management function.

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Software engineering — Product evaluation —

Part 2:

Planning and management

1 Scope

This part of ISO/IEC 14598 provides requirements, recommendations and guidelines for a supporting function which is responsible for the management of software product evaluation and for technologies necessary for software product evaluation.

The role of the supporting function includes motivating people and training them for the evaluation activities, preparing appropriate evaluation documents and methods, and responding to queries on evaluation technologies.

Main targets for evaluation support are software development, system integration and maintenance, including software acquisition, at both project and organisation levels.

Technology management is related to the planning and management of a software evaluation process, metrics and tools. This includes the management of development, acquisition, standardisation, control, transfer and feedback of evaluation technology experiences within the organisation.

The intended users of this part of ISO/IEC 14598 are people who are responsible for

- managing the use of the evaluation technology,
- supporting software product evaluation,
- managing software development organisations,

or people in a quality assurance function. However, it is also applicable to managers involved in other software related activities.

2 Conformance

In order to conform to this part of ISO/IEC 14598, an organisation shall review all requirements and recommendations in clause 6, to identify those which are applicable, and state which requirements and recommendations have not been implemented.

3 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 14598. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO/IEC 14598 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative documents referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 8402:1994, *Quality management and quality assurance — Vocabulary*.

ISO/IEC 9126:1991, *Information technology — Software product evaluation — Quality characteristics and guidelines for their use*.

ISO/IEC 9126-1, *Information technology — Software product quality — Part 1: Quality model*.

ISO/IEC 9126-2, *Information technology — Software product quality — Part 2: External metrics.*

ISO/IEC 9126-3, *Information technology — Software product quality — Part 3: Internal metrics.*

ISO/IEC 14598-1:1999, *Information technology — Software product evaluation — Part 1: General overview.*

ISO/IEC 14598-5:1998, *Information technology — Software product evaluation — Part 5: Process for evaluators.*

ISO/IEC 14598-6, *Software engineering — Product evaluation — Part 6: Documentation of evaluation modules.*

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