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## Systems and software engineering — Developing user documentation in an agile environment

*Ingénierie du logiciel et des systèmes — Développement de la  
documentation de l'utilisateur dans un environnement agile*



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# Contents

Page

Foreword .....	iv
Introduction.....	v
1 Scope .....	1
2 Conformance .....	1
2.1 Application of conformance .....	1
3 Normative references .....	2
4 Terms and definitions .....	2
5 User documentation processes in an agile environment .....	4
5.1 Relationship between user and life cycle documentation processes .....	4
5.2 Life cycle software documentation in an agile environment .....	5
5.3 Life cycle documentation in agile development .....	6
6 Management of information development in an agile environment .....	6
6.1 Documentation management considerations for agile development .....	6
6.2 Change management when moving to an agile development process .....	7
6.3 Composition of agile development teams .....	7
6.3.1 Communication in agile development teams .....	8
6.3.2 Teams working in different locations .....	8
6.4 Management of information development across teams using agile development .....	9
6.5 Management of tasks across sprints .....	9
6.5.1 Planning the project as a whole .....	9
6.5.2 Sizing and resourcing each sprint .....	10
6.5.3 Handling last-minute documentation changes .....	11
6.6 Monitoring and analysing progress in an agile environment .....	11
6.6.1 Status meetings .....	11
6.6.2 Monitoring progress .....	12
6.6.3 Rework and changing requirements .....	13
6.7 Stakeholder involvement .....	13
6.8 Improving the user documentation process in an agile environment .....	14
6.8.1 Assessing customer satisfaction .....	14
7 Developing user documentation in an agile environment .....	14
7.1 What agile development means for information development .....	14
7.2 Product design and developing the user documentation .....	15
7.3 Design and development of user documentation in an agile environment .....	16
7.3.1 Design techniques .....	16
7.3.2 Information development tasks .....	20
7.3.3 Planning of information units .....	20
7.4 Testing and reviewing documentation in an agile environment .....	20
7.4.1 Reviewing user documentation .....	20
7.4.2 System test of documentation .....	21
7.4.3 Usability testing of user documentation .....	21
7.5 Translation and localisation of user documentation .....	22
7.6 Production for manufacturing cycles .....	22
Annex A (informative) Agile Development Practices .....	23
Annex B (informative) Example interview questions .....	25
Bibliography .....	27

## 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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The main task of ISO/IEC JTC 1 is to prepare International Standards. 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.

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ISO/IEC/IEEE 26515 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 7, *Software and systems engineering*, in cooperation with the Systems and Software Engineering Committee of the IEEE Computer Society, under the Partner Standards Development Organization cooperation agreement between ISO and IEEE.

In this corrected version, the cover pages, front matter, page headers and footers have been corrected to reflect that ISO/IEC/IEEE 26515 is a joint development project under the Partner Standards Development Organization cooperation agreement between ISO and IEEE.

## Introduction

Anyone who uses application software needs accurate information about how the software will help the users accomplish a task. The documentation may be the first tangible item that the user sees, and so influences the first impressions the users have of the product. If the information is supplied in a convenient form and is easy to find and understand, the users can quickly become proficient at using the product. Hence, well designed documentation not only assists the users and helps to reduce the cost of training and support, but also enhances the reputation of the product, its producer, and its suppliers.

Projects that implement agile development focus on providing rapid and frequent deliveries of high value software. These methods often involve detailed planning only for the short term, and the implementation of processes in parallel, rather than planning for an entire project in distinct phases.

Although agile development methods often advocate less life cycle documentation, the users of a software product still expect and require quality user documentation to be provided with these software products. Although the end results of the user documentation process are the same, the methods to get there may be very different in an agile environment.

Agile development methods may lead to the production of less user documentation, but the user documentation developed must be sufficient to meet the needs and requirements of the users. If the deliverables of user documentation and associated life cycle documentation are agreed in a contractual relationship between an acquirer and a supplier, then the deliverables that are produced are dictated by the terms of the contract. In these circumstances, the user and life cycle documentation deliverables that are agreed upon will depend on the demands of the acquiring organization regardless of the types of development methodologies used to produce them.

Technical writers and other personnel involved in the production of user documentation should understand the agile development processes used by their organization, and use the most effective agile development methods to produce relevant and useful user documentation.

Because of the nature of agile development methods, the traditional means of developing the end user documentation (both print and onscreen) as described in the current ISO/IEC 2651*n* family of International Standards are not entirely applicable.

This International Standard was developed to assist users of ISO/IEC 15288:2008 (IEEE Std 15288:2008), *Systems and software engineering — System life cycle processes*, or ISO/IEC 12207:2008 (IEEE Std 12207-2008), *Systems and software engineering — Software life cycle processes*, and ISO/IEC 26514, *Systems and software engineering — Requirements for designers and developers of user documentation* (also available as IEEE Std 26514-2010, *IEEE Standard for Adoption of ISO/IEC 26514:2008, Systems and Software Engineering — Requirements for Designers and Developers of User Documentation*) and others in the ISO/IEC 2651*n* family of International Standards. It provides requirements and guidance to technical writers and related roles on how to adapt the processes described in the ISO/IEC 2651*n* family of International Standards to develop quality user documentation.

This International Standard is independent of the agile development methods and tools that are used to produce the software.

This International Standard will conform to ISO/IEC 12207:2008 (IEEE Std 12207:2008) as an implementation of the user documentation part of 6.1: Documentation. The primary references for this International Standard are ISO/IEC 26514:2008 and ISO/IEC 26513:2009.

