

INTERNATIONAL
STANDARD

ISO/IEC/
IEEE
26515

Second edition
2018-12

Systems and software engineering — Developing information for users in an agile environment

*Ingénierie du logiciel et des systèmes — Développement
d'informations pour les utilisateurs dans un environnement agile*

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO/IEC/IEEE 26515:2018](https://standards.iteh.ai/catalog/standards/iso/894ee2af-1ca1-4ab1-8aab-9f6886e34b85/iso-iec-ieee-26515-2018)

<https://standards.iteh.ai/catalog/standards/iso/894ee2af-1ca1-4ab1-8aab-9f6886e34b85/iso-iec-ieee-26515-2018>



Reference number
ISO/IEC/IEEE 26515:2018(E)

© ISO/IEC 2018
© IEEE 2018

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

ISO/IEC/IEEE 26515:2018

<https://standards.iteh.ai/catalog/standards/iso/894ee2af-1ca1-4ab1-8aab-9f6886e34b85/iso-iec-ieee-26515-2018>



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2018

© IEEE 2018

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO or IEEE at the respective address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Institute of Electrical and Electronics Engineers, Inc
3 Park Avenue, New York
NY 10016-5997, USA

Email: stds.ipr@ieee.org
Website: www.ieee.org

Contents

Page

Foreword	iv
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Conformance	3
5 Information development process	3
6 Management of information development	4
6.1 Change management for agile development	4
6.2 Composition of agile development teams	5
6.2.1 General	5
6.2.2 Communication in agile development teams	5
6.2.3 Globally distributed teams	5
6.3 Management of information development across teams using agile development	6
6.4 Management of information development tasks across iterations	7
6.4.1 Planning the project as a whole	7
6.4.2 Sizing and resourcing each iteration	8
6.4.3 Handling last-minute content changes	9
6.5 Monitoring and analysing progress	9
6.5.1 General	9
6.5.2 Stand-up meetings	10
6.5.3 Monitoring progress	10
6.5.4 Rework and changing requirements	11
6.6 Stakeholder involvement	11
6.6.1 General	11
6.6.2 Assessing customer satisfaction	11
7 Preparing information for users	12
7.1 Relationship of agile development to information development	12
7.2 Product design and developing information for users	12
7.3 Design and development of information for users	13
7.3.1 User requirements	13
7.3.2 Design techniques	14
7.3.3 Scheduling of design work	16
7.3.4 Planning of information for users	17
7.4 Reviewing and testing information for users	17
7.4.1 General	17
7.4.2 Reviewing information for users	17
7.4.3 System test of information for users	18
7.4.4 Usability testing of information for users	18
7.5 Translation and localization of information for users	18
7.6 Production of information for users	19
7.7 Delivering information for users with a continuous delivery process (DevOps)	19
Annex A (informative) Agile development practices	20
Bibliography	22
IEEE notices and abstract	23

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 ISO documents should be noted. This document was drafted in accordance with the rules given in the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

IEEE Standards documents are developed within the IEEE Societies and the Standards Coordinating Committees of the IEEE Standards Association (IEEE-SA) Standards Board. The IEEE develops its standards through a consensus development process, approved by the American National Standards Institute, which brings together volunteers representing varied viewpoints and interests to achieve the final product. Volunteers are not necessarily members of the Institute and serve without compensation. While the IEEE administers the process and establishes rules to promote fairness in the consensus development process, the IEEE does not independently evaluate, test, or verify the accuracy of any of the information contained in its standards.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, 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 www.iso.org/iso/foreword.html.

This document 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.

This second edition cancels and replaces the first edition (ISO/IEC/IEEE 26515:2011) which has been technically revised.

The main changes compared to the previous edition are as follows:

- alignment with the widespread use of agile methods to include systems as well as software;
- replacement of the paper-based term “documentation” with the general term “information for users” where appropriate;
- inclusion of agile information development across multiple teams and projects, especially projects in continuous maintenance situations such as DevOps;
- editorial changes;
- new definitions.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

iTeh Standards
(<https://standards.itih.ai>)
Document Preview

[ISO/IEC/IEEE 26515:2018](https://standards.itih.ai/catalog/standards/iso/894ee2af-1ca1-4ab1-8aab-9f6886e34b85/iso-iec-ieee-26515-2018)

<https://standards.itih.ai/catalog/standards/iso/894ee2af-1ca1-4ab1-8aab-9f6886e34b85/iso-iec-ieee-26515-2018>