ISO/IEC 23396:2020 (E)

Systems and software engineering — Capabilities of review tools

Contents

Foreword

Introduction

- 1 Scope
- 2 Normative references
- 3 Terms and definitions
- 4 Object model for review tools
 - 4.1 Overview of the object model
 - 4.2 Object model of review entities
 - 4.3 Category of capabilities for review tools

5 Entities of review tools

- 5.1 Overview
- 5.2 ReviewFolder
- 5.3 Review
- 5.4 Member
- 5.5 WorkProduct
- 5.6 IssueByReview
- 5.7 PlaceOflssueByReview

6 Capabilities of review tools

- 6.1 Overview
- 6.2 Administration
- 6.2.1 Overview
- 6.2.2 Administration of review folder
- 6.2.2.1 Review folder definition
- 6.2.2.2 Member definition
- 6.2.2.3 Classification definition
- 6.2.3 Review definition
- 6.2.4 Control of review implementation
- 6.2.4.1 Overview
- 6.2.4.2 Start of review
- 6.2.4.3 Suspension of review
- 6.2.4.4 Resuming of review
- 6.2.4.5 End of review
- 6.2.4.6 Participation in the review
- 6.2.4.7 Making participants browse work products
- 6.2.4.8 Leaving the review
- 6.2.4.9 Logging of review
- 6.2.4.10 Seeing checklists and scenarios
- 6.2.5 Dashboard of review progress
- 6.3 IssueByReview management
- 6.3.1 Creation, deletion, reference, and update of issues
- 6.3.2 Highlighting place of issue
- 6.3.3 Transition of issue status
- 6.3.4 Issue confirmation support
- 6.3.4.1 Overview
- 6.3.4.2 Listing issues
- 6.3.4.3 Tag jump extension by issues
- 6.3.5 Similar issue detection support
- 6.3.5.1 Overview

- 6.3.5.2 String search
- 6.3.5.3 Tag jump extension by search result
- 6.3.6 Issue entry support
- 6.3.6.1 Overview
- 6.3.6.2 Application of previously identified issues to other places
- 6.3.6.3 Duplicate of previously identified issue
- 6.4 Review metrics collection and report output
- 6.4.1 Review metrics collection
- 6.4.2 Report output
- 6.5 Human communication support
- 6.5.1 Overview
- 6.5.2 Notification of events and schedule information of the review
- 6.5.3 Online chat between review participants
- 6.5.4 Messaging with specific review participants
- 6.5.5 Sharing issues among review participants
- 6.5.6 Sharing work product view on a screen among review participants
- 6.6 Linkage with other tools
- 6.6.1 Overview
- 6.6.2 Importing and exporting member definition
- 6.6.3 Importing and exporting classification definition
- 6.6.4 Importing and exporting viewpoints of review
- 6.6.5 Importing work products to be reviewed
- 6.6.6 Exporting identified issues
- 6.6.7 Exporting review findings
- Annex A (informative) Review tool entities and attributes
- Annex B (informative) Review tool entities CRUD matrix
- Annex C (informative) Review tool capabilities and review activities
- Annex D (informative) Scope of review tools
- Annex E (informative) How to use this document with ISO/IEC 20741
- Annex F (informative) Use case of a review tool
 - F.1 Overview
 - F.2 Typical use case of a review tool and its use case scenario
 - F.2.1 Overview
 - F.2.2 Use case scenario of defining group of review management
 - F.2.3 Use case scenario of planning
 - F.2.4 Use case scenario of initiate review
 - F.2.5 Use case scenario of individual review
 - F.2.6 Use case scenario of issue communication and analysis
 - F.2.7 Use case scenario of fixing and reporting

Page count: 31