ISO/IEC TR 29119-6:2021 (E)

Software and systems engineering — Software testing — Part 6: Guidelines for the use of ISO/IEC/IEEE 29119 (all parts) in agile projects

Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Concepts

4.1 Agile practices and artefacts
4.2 Mapping of agile practices to ISO/IEC/IEEE 29119-2 test processes
4.2.1 Overview
4.2.2 Acceptance criteria
4.2.3 Acceptance test-driven development (ATDD)
4.2.4 Amplify learning
4.2.5 Backlog management
4.2.6 Behaviour-driven development (BDD)
4.2.7 Build integrity in
4.2.8 Burn-down and burn-up charts
4.2.9 Co-located teams
4.2.10 Collective code ownership
4.2.11 Continuous delivery and deployment
4.2.12 Continuous integration and continuous testing
4.2.13 Cross-functional team
4.2.14 Daily stand-up
4.2.15 Definition of done
4.2.16 Definition of ready
4.2.17 Eliminate waste
4.2.18 Empowered team
4.2.19 Emergent design
4.2.20 Epic
4.2.21 Fast user feedback
4.2.22 Feature-driven development (FDD)
4.2.23 Feature toggle
4.2.24 Frequent interaction with product owner
4.2.25 Increment
4.2.26 Informal defect management
4.2.27 Iteration backlog
4.2.28 Iteration goal
4.2.29 Iteration planning
4.2.30 Iteration review
4.2.31 Iteration zero
4.2.32 Just in time
4.2.33 Limit work in progress
4.2.34 Mood chart
4.2.35 Occasional test iterations
4.2.36 Pair programming
4.2.37 Parallel test iterations
4.2.38 Planning poker
4.2.39 Product backlog
4.2.40 Product owner

4.2.41 Refactoring
4.2.42 Relative estimation
4.2.43 Release planning
4.2.44 Retrospective meeting
4.2.45 Scrum master
4.2.46 Self-organizing teams
4.2.47 Short iterations
4.2.48 Simplicity
4.2.49 Story mapping
4.2.50 Story testing
4.2.51 Sustainable pace
4.2.52 Task board
4.2.53 Team charter
4.2.54 Team room
4.2.55 Team-based estimation
4.2.56 Technical debt
4.2.57 Test-driven development (TDD)
4.2.58 Timebox
4.2.59 Transparency
4.2.60 User story
4.2.61 User stories – INVEST mnemonic
4.2.62 User story format – role/feature/rationale
4.2.63 Velocity

Annex A (informative) Mapping of The Scrum Guide to ISO/IEC/IEEE 29119-2 test processes

A.1 Scrum life cycle
A.2 Mapping of The Scrum Guide to ISO/IEC/IEEE 29119-2 test processes

Annex B (informative) Mapping of ISO/IEC/IEEE 29119-2 (test processes) to agile practices and techniques covered under Clause 4

Annex C (informative) Example mapping of typical agile test artefacts to ISO/IEC/IEEE 29119-3 test documentation

Annex D (informative) Example agile test artefact

D.1 Overview
D.2 Test plan
D.3 Session sheet
D.4 Defect report
D.5 Test progress report
D.6 Test completion report

Page count: 45