

ISO/IEC 29110-5-4:2025-09 (E)

Systems and software engineering - Life cycle profiles for very small entities (VSEs) - Part 5-4: Agile software development guidelines

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms, definitions and abbreviated terms	1
3.1	Terms and definitions	1
3.2	Abbreviated terms	6
4	Naming, diagramming and definition conventions	6
5	Overview	7
5.1	General	7
5.2	Project management process of Basic profile and the agile events performed to manage the project	7
5.3	Software implementation process of Basic profile and the agile events performed to implement the project	8
5.4	Roles involved	9
6	Agile software development process	10
6.1	Agile project management process	10
6.1.1	Agile project management process purpose	10
6.1.2	Agile project management process outcomes	10
6.1.3	Overview of the agile project management process	10
6.2	Agile software implementation process	11
6.2.1	Agile software implementation process purpose	11
6.2.2	Agile software implementation process outcomes	11
6.2.3	Overview of the agile software implementation process	12
6.3	Event 1 - project vision meeting (contributes to outcome PM.O1)	13
6.3.1	Justification	13
6.3.2	Overview of event 1- project vision meeting	14
6.3.3	Tasks of event 1 - project vision meeting	14
6.4	Event 2 - estimation meeting (contributes to outcomes PM.O1, PM.O5)	15
6.4.1	Justification	15
6.4.2	Overview of the event 2 - estimation meeting	15
6.4.3	Tasks of event 2 - estimation meeting	16
6.5	Event 3 - sprint planning (contributes to outcomes PM.O1, PM.O2, PM.O4, PM.O7, SI.O1, SI.O3, SI.O5)	17
6.5.1	Justification	17
6.5.2	Overview of event 3 - sprint planning	18
6.5.3	Tasks of event 3 - sprint planning	18
6.6	Event 4 - sprint (contributes to outcomes PM.O2 PM.O3, SI.O3, SI.O4, SI.O5, SI.O7)	21
6.6.1	Justification	21
6.6.2	Overview of event 4 - sprint	21
6.6.3	Tasks of event 4 - sprint	22
6.7	Event 5 - daily scrum (contributes to outcomes PM.O2, PM.O3, PM.O4, PM.O5, PM.O7)	25
6.7.1	Justification	25
6.7.2	Overview of event 5 - daily scrum	25

6.7.3	Tasks of event 5 - daily scrum	25
6.8	Event 6 - sprint review (contributes to outcomes PM.O2, PM.O3, PM.O4, SI.O5, SI.O7)	27
6.8.1	Justification	27
6.8.2	Overview of event 6 - sprint review	27
6.8.3	Task of event 6 - sprint review	27
6.9	Event 7 - sprint retrospective (contributes to outcomes PM.O2, PM.O3, PM.O4, PM.O7) ...	30
6.9.1	Justification	30
6.9.2	Overview of event 7 - sprint retrospective	30
6.9.3	Task of event 7 - sprint retrospective	30
7	Role descriptions	32
8	Work products description	35
Annex A (informative)	Example of work products templates	59
Annex B (informative)	Overview of popular agile methods	65
Annex C (informative)	Development of the guidelines for the reinforcement of an agile environment	67
Annex D (informative)	Development of the guidelines for the reinforcement of an agile environment	70
Bibliography	72