

ISO/IEC 29110-2:2011-01 (E)

Software engineering - Lifecycle profiles for Very Small Entities (VSEs) - Part 2: Framework and taxonomy

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
1.1	Fields of application	1
1.2	Target audience	1
2	Conformance to standardized profiles	1
2.1	Introduction	1
2.2	General principles	2
2.2.1	Tailoring and exclusions	2
2.2.2	Extensions	2
2.2.3	Conformance to base standards	2
2.3	Conformance requirements for standardized profiles	3
2.3.1	Conformance situations	3
2.3.2	Conformance to a standardized profile	3
2.3.3	Limited conformance to the base standards included in the standardized profile	4
3	Normative references	4
4	Terms and definitions	4
5	Conventions and abbreviated terms	4
5.1	Naming, diagramming and definition conventions	4
5.2	Abbreviations	4
6	Software engineering profiles for VSEs	4
6.1	Basic concepts	4
6.2	Purpose of standardized profiles	5
6.3	Preparation of profiles	5
7	Preparing profiles of Software Engineering standards	6
7.1	Rationale for SE profiles	6
7.2	Profiling lifecycle product standards	7
7.3	Profiling lifecycle process standards	7
7.4	Relating process and product standards in profiles	7
7.5	Adding assessment specification to profiles	12
7.5.1	Process reference models	12
7.5.2	Specifying profiles with capability levels	12
7.6	Graduated profiles	12
8	The VSE profile taxonomy principles	15
8.1	VSE classification dimensions	15
8.2	Decoupling VSE classification from profile preparation	15
8.3	Graduating a profile group	15
9	Taxonomy of VSE profile groups	16
9.1	Introduction	16
9.2	The "Generic" profile group	16
9.3	Profiles within the "Generic" profile group	16

9.3.1	The Entry profile	16
9.3.2	The Basic profile	16
9.3.3	The Intermediate profile	17
9.3.4	The Advanced profile	17
10	Guidelines for the specification of VSE profiles	17
10.1	Profile tables	17
10.2	Profile table columns	17
10.2.1	Profile element identification and composition specification tables	17
10.2.2	Profile element relationship specification tables	18
10.2.3	Source document reference specification tables	18
	Bibliography	20
	Table of illustrations Table of tables Table 2 -- Example of a modelling formalism profile for lifecycle products	8
	Table 3 -- Example of a correspondence profile for lifecycle products	8
	Table 4 -- Example of a profile for lifecycle processes and outcomes	9
	Table 5 -- Example of adding correspondence elements for lifecycle processes	10
	Table 6 -- Example of a profile for lifecycle processes and output products	10
	Table 7 -- Example of adding correspondence elements for lifecycle processes and products	11
	Table 8 -- Standardized SE capability levels	13
	Table 9 -- Example of adding capability levels (process attributes) to a lifecycle processes profile ..	14
	Table 10 -- Example of defining profiles in terms of other profiles	14
	Table 11 -- Allocating VSE characteristics to profile groups	15
	Table 12 -- Graduated profile group	15
	Table 13 -- The "Generic" profile group	16