

# ISO/IEC TR 29110-2-2:2016-05 (E)

## Systems and software engineering - Lifecycle profiles for Very Small Entities (VSEs) - Part 2-2: Guide for the development of domain-specific profiles

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Abbreviations .....	1
5	Overview of a domain-specific VSE profile .....	1
5.1	Preparation of a domain-specific VSE profile .....	1
5.2	Implementation of a domain-specific VSE profile .....	2
5.3	VSE profile in a supply chain and operational environments .....	3
6	Background factors to identify a new domain-specific profile .....	4
6.1	User view for process purposes .....	4
6.2	Contract and distribution of processes .....	4
6.3	Contract and distribution of responsibilities .....	5
6.4	Competency of suppliers .....	6
6.5	Interface problem and integrating process .....	7
6.6	Application domain and business convention .....	8
6.7	Other situational factors affecting development of a VSE profile for a specific domain .....	8
7	Identifying VSE processes .....	8
7.1	Selection approach .....	8
7.2	Factors that should be considered in the profile development procedure .....	9
7.2.1	System integrity level .....	9
7.2.2	Project size, complexity, novelty, product lifetime, and/or reuse conventions .....	9
7.2.3	Adding processes and/or practices .....	9
7.2.4	VSE competency .....	9
7.2.5	Contractual situation .....	9
7.2.6	Effective use of external resources and support tools .....	10
7.2.7	Other factors .....	10
7.2.8	Impacts of factor consideration and rationales .....	10
7.2.9	Expression of rationales .....	11
7.3	Examples for a profile preparation consideration .....	11
8	Developing the profile description .....	11
9	Self-defined profile and self-declaration of conformance .....	12
Annex A (informative)	Example for a profile preparation consideration .....	13
Annex B (informative)	Classification of situational factors on software development .....	17
Annex C (informative)	Tools and services .....	18
Annex D (informative)	Example of a VSE profile definition .....	20
Bibliography .....		25