

ISO/IEC 15026-4:2012-10 (E)

Systems and software engineering - Systems and software assurance - Part 4: Assurance in the life cycle

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Conformance	1
3	Normative references	1
4	Terms and definitions	2
5.1	Life cycle approach	2
5.2	Assurance claims	2
5.3.1	Use for an agreement	3
5.3.2	Use for regulation	3
5.3.3	Use for development	3
6	Process view purposes and required outcomes	3
6.1	Systems assurance process view	3
6.1.1	Purpose	4
6.1.2	Required outcomes	4
6.2	Software assurance process view	4
6.2.1	Purpose	4
6.2.2	Required outcomes	4
7	Assurance guidance and recommendations for selected processes	4
7.1	Introduction	4
7.2	Acquisition process	5
7.2.1	Relevant activities and tasks	5
7.2.2	Assurance guidance and recommendations	5
7.3	Supply process	6
7.3.1	Relevant activities and tasks	6
7.3.2	Assurance guidance and recommendations	6
7.4	Project planning process	7
7.4.1	Relevant activities and tasks	7
7.4.2	Assurance guidance and recommendations	7
7.5	Decision Management process	8
7.5.1	Relevant activities and tasks	9
7.5.2	Assurance guidance and recommendations	9
7.6	Risk Management process	9
7.6.1	Relevant activities and tasks	10
7.6.2	Assurance guidance and recommendations	11
7.7	Configuration management process	11
7.7.1	Relevant activities and tasks	11
7.7.2	Assurance guidance and recommendations	12
7.8	Information Management process	13
7.8.1	Relevant activities and tasks	13
7.8.2	Assurance guidance and recommendations	13
7.9	Stakeholder Requirements Definition process	14
7.9.1	Relevant activities and tasks	15

7.9.2	Assurance guidance and recommendations	15
7.10	Requirements Analysis process	17
7.10.1	Relevant activities and tasks	18
7.10.2	Assurance guidance and recommendations	19
7.11	Verification process	19
7.11.1	Relevant activities and tasks	20
7.11.2	Assurance guidance and recommendations	20
7.12	Operation process	20
7.12.1	Relevant Activities and Tasks	21
7.12.2	Assurance guidance and recommendations	21
7.13	Maintenance process	21
7.13.1	Relevant activities and tasks	21
7.13.2	Assurance guidance and recommendations	22
Bibliography		23