

ISO/IEC 33071:2016-10 (E)

Information technology - Process assessment - An integrated process capability assessment model for Enterprise processes

Contents		Page
Foreword		v
About Enterprise SPICE		vi
Introduction		vii
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	General	1
5	Process assessment model architecture	2
5.1	Two dimensional model	2
5.2	Assessment indicators	3
6	The process dimension and process performance indicators	4
6.1	General	4
6.2	Governance/Management Category	6
6.2.1	Enterprise Governance	6
6.2.2	Investment Management	9
6.2.3	Human Resource Management	11
6.2.4	Enterprise Architecture	14
6.2.5	Business Relationship Management	16
6.2.6	Supplier Agreement Management	17
6.2.7	Tendering	20
6.2.8	Project Management	23
6.2.9	Risk Management	27
6.3	Life Cycle Category	30
6.3.1	Needs	30
6.3.2	Requirements	33
6.3.3	Design	35
6.3.4	Design Implementation	37
6.3.5	Integration	38
6.3.6	Evaluation	40
6.3.7	Deployment and Disposal	43
6.3.8	Operation and Support	45
6.4	Support Category	47
6.4.1	Alternatives Analysis	47
6.4.2	Measurement and Analysis	49
6.4.3	Quality Assurance and Management	52
6.4.4	Change and Configuration Management	55
6.4.5	Information Management	58
6.4.6	Knowledge Management	61
6.4.7	Training	63
6.4.8	Research and Innovation	66
6.4.9	Work Environment	69
6.4.10	Process Definition	71
6.4.11	Process Improvement	74

6.5	Special Applications	77
6.5.1	Safety and Security	77
7	The capability dimension and process capability indicators	81
7.1	Process capability Level 0: Incomplete process	82
7.2	Process capability Level 1: Performed process	82
Annex A (informative) Conformity of the process reference model and process assessment A.1		
	Introduction	83
Annex B (informative) Application and use of the process assessment model		
		90
B.1	Relationship to other standards and models	90
B.2	Contexts of Use	91
B.3	Support for Assessment and Process Improvement	92
Annex C (informative) Relationship Tables		
		95
Annex D (informative) High-level Mapping Tables		
		108
Annex E (informative) Project Participants		
		145
E.1	Sponsor	145
E.2	Advisory Board	145
E.2.1	Current Advisory Board Members	145
E.2.2	Previous Advisory Board Members (other than those on current Advisory Board)	145
E.3	Project Leader	146
E.4	Architecture Team	146
E.4.1	Current Members	146
E.4.2	Previous Members (other than those on current team)	146
E.5	Author Team	146
E.6	Buddies and Key Early Reviewers	147
E.7	Editorial Team	147
E.8	General Reviewers	148
E.9	Project Stakeholders	148
Bibliography		
		153
1	Enterprise SPICE Sources	153
2	Enterprise SPICE References	155
3	[iCMM] Sources and References	156
4	[iCMM-SS] Sources and References	158
4.1	Safety Source Standards	158
4.2	Security Source Standards	158
4.3	Other Safety and Security References	158
4.3	Work Environment Sources and References	159
5	[iCMM] Source Change Annotations	159
6	Enterprise SPICE post publication references	160