

ISO/IEC 33063:2015-08 (E)

Information technology - Process assessment - Process assessment model for software testing

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Overview of the process assessment model	2
4.1	General	2
4.2	Structure of the process assessment model	3
4.2.1	Overview	3
4.2.2	Processes	3
4.2.3	Process dimension	5
4.2.4	Capability dimension	6
4.3	Assessment indicators	7
4.3.1	Overview	7
4.3.2	Process capability indicators	8
4.3.3	Process performance indicators	10
4.4	Measuring process capability	10
5	Process dimension and process performance indicators (level 1)	11
5.1	General	11
5.2	Organizational test process group	12
5.2.1	OT.1 Organizational test process	12
5.3	Test management process group	13
5.3.1	TM.1 Test planning process	13
5.3.2	TM.2 Test monitoring and control process	15
5.3.3	TM.3 Test completion process	16
5.4	Dynamic test process group	17
5.4.1	DT.1 Test design & implementation process	17
5.4.2	DT.2 Test environment set-up & maintenance process	18
5.4.3	DT.3 Test execution process	19
5.4.4	DT.4 Test incident reporting process	20
6	Process capability indicators (level 1 to 5)	21
6.1	General	21
6.2	Process capability levels and process attributes	21
6.2.1	Process capability Level 0: Incomplete process	21
6.2.2	Process capability Level 1: Performed process	22
6.2.3	Process capability Level 2: Managed process	22
6.2.4	Process capability Level 3: Established process	26
6.2.5	Process capability Level 4: Predictable process	30
6.2.6	Process capability Level 5: Innovating process	34
Annex A (informative)	Conformity of the process assessment model	39
Annex B (informative)	Assessment guidelines	44

Annex C (informative) Work product characteristics	47
Annex D (informative) Additional processes	61
Annex E (informative) Management support processes	64
Bibliography	69