

# ISO/IEC 33063:2015-08 (E)

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

---

<b>Contents</b>		<b>Page</b>
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

<b>Annex C (informative) Work product characteristics .....</b>	<b>47</b>
<b>Annex D (informative) Additional processes .....</b>	<b>61</b>
<b>Annex E (informative) Management support processes .....</b>	<b>64</b>
<b>Bibliography .....</b>	<b>69</b>