

With TPI Next (brand of Sogeti) a broad analysis of a test process can be made. The model is a particularly strong tool in larger organizations with independent testing teams.

The TPI Next model

The main features of the TPI Next model are:

- key areas (see table below)
- maturity levels (see table below)
- checkpoints (click on a key area)

Sixteen key areas provide the necessary coverage of relevant aspects. Within each key area, growth is expressed by means of the levels *Controlled*, *Efficient* and *Optimizing*. Each next level builds on the previous one (from left to right). Furthermore the model consists of checkpoints. A checkpoint describes a practice that reflects something of significant value to reach a particular level.

The maturity levels are typified as follows:

- **Initial:** *Starting level*
- **Controlled:** *Doing the right things*
- **Efficient:** *Doing things the right way*
- **Optimizing:** *Continuously adapting to ever-changing circumstance*

(Source: "TPI Next, Business Driven Test Process Improvement" ISBN 9072194977)

Follow the hyperlinks in the matrix to the key areas for details.

Key area	Controlled				Efficient				Optimizing		
	A	B	B	C	F	H	H	K	M	M	
Stakeholder commitment	A	B	B	C	F	H	H	K	M	M	
Degree of involvement	A	B	C	E	H	H	J	L		L	
Test strategy	A	A	B	E	F	F	H	K		L	
Test organization	A	D	D	E	I	I	J	J	K	L	L
Communication	B	C	C	D	F	F	J	M		M	
Reporting	A		C	C	F	G	G	K		K	
Test process management	A	A	B	B	G	H	J	K		M	
Estimating and planning	B	B	C	C	G	H	I	I	K	L	L

Metrics	C	C	D	G	H	H	I	K	K		
Defect management	A	A	B	D	F	F	H	J	K	L	L
Testware management	B	B	D	E	I	I	J	L	L	L	
Methodology practice	C	D	E	F	H	J	J	M	M		
Tester professionalism	D	D	E	E	G	G	I	I	K	M	M
Test case design	A	A	E	F	I	I	J	K	K	M	
Test tools	E	E	E	F	G	G	I	L	M	M	
Test environment	C	D	D	E	G	H	J	J	L	M	M

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