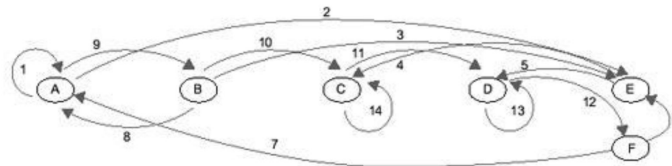


SWT-FT

Functional Testing

The service takes the customer beyond the scope of the "What" defined by the process to the techniques or the "How" as practiced by the experienced testing practitioners. Functional testing is the area that validates satisfaction of functional requirements. This service provides the know-how for performing the different activities covered in the test process for functional testing. It helps the customer select the suitable functional testing techniques and applies them on a real project through hands-on workshops.



0-switch			1-switch									
A1	A2	A9	A1A1	A1A2	A1A9					A9B10	A9B8	A9B3
B10	B8	B3	B10C14	B10C11	B10C4	B8A1	B8A2	B8A9				
C14	C11	C4	C14C14	C14C11	C14C4	C11D13	C11D12	C11D5				
D13	D12	D5	D13D13	D13D12	D13D5	D12F6	D12F7					
F6	F7					F7A1	F7A2	F7A9				

Service Model
Service Delivery

Consultancy, Technical Support, On-the-Job Training

- 1 visit for analysis and planning
- 8 biweekly visits
- 5 days offsite support
- 1 visit for evaluation and closure
- Each visit is 6 working hours

The Software Testing Services are offered through two waves per year, usually starting in January and July, with three customers per wave. Additional requests might be fulfilled as per resources availability

Prerequisite(s) Customer must have an established testing process (e.g. TPIG, CMMI[®] ML3)

Territories Worldwide

Online Order www.secc.org.eg/services/order.asp

Service components include

- Test Strategy and Planning
- Test Analysis and Design
- Black-Box Techniques
- Test Optimization
- Test Case Design Techniques

One important part of test analysis and design is the black-box techniques related to test case identification from the different sources and different types of functional requirements such as Use Case Testing, Equivalence Partitioning, Boundary Value Analysis, Decision Tables, State Transition...etc.

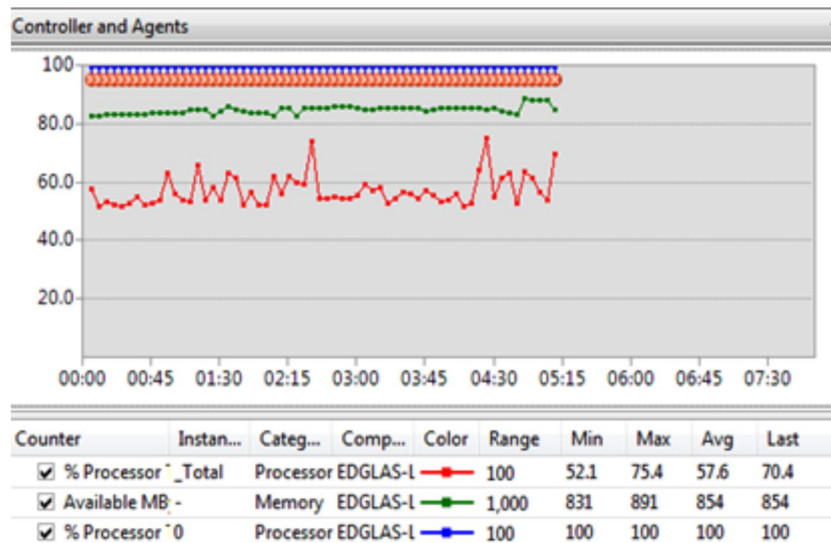
CMMI® is the registered trademark of Software Engineering Institute (SEI), Carnegie Mellon University (CMU), USA.

Target Customers Software Development Company, ICT Service Provider
Related Services Testing Process Improvement
Working Hours 8:30 AM to 16:00 PM Sunday to Thursday

SWT-PT

Performance Testing

This service helps the customer introduce performance testing into existing testing function by building the necessary skills and capabilities within the testing team and test environment. Performance testing addresses non-functional requirements and is very important to achieve overall product quality not only from the application features point of view but also from the system behaviour and stability point of view. This service is provided through hands-on workshops on a real project that has quite detailed non-functional requirements.



Service Model Consultancy, Technical Support

- Service Delivery
- 1 visit for analysis and planning
 - 7 biweekly visits
 - 7 days offsite support
 - 1 visit for evaluation and closure
 - Each visit is 6 working hours

The Software Testing Services are offered through two waves per year, usually starting in January and July, with three customers per wave. Additional requests might be fulfilled as per resources availability

Prerequisite(s) None

Territories Worldwide

Online Order www.secc.org.eg/services/order.asp

Service components include

- Performance Testing (PT) Process Framework
- PT Specification
- Tool Selection and Evaluation
- Detailed Planning and Design
- Execution and Result Analysis

This service introduces a performance testing process that starts from planning till results evaluation including selecting the proper tool, analyzing the project performance requirements, designing performance testing scripts and scenarios, building the performance testing environment, designing monitoring mechanisms and supporting conducting the actual test execution.

Target Customers Software Development Company, ICT Service Provider
Related Services None
Working Hours 8:30 AM to 16:00 PM Sunday to Thursday

SWT-TA

Testing Automation

This service helps the customer achieve significant productivity gain, increase test coverage, and ensure consistency through automated test execution as opposed to manual test execution. This service helps the customer who has quite mature functional testing processes and has successfully adopted functional testing techniques, to embark onto a test automation program. It is provided through hands-on workshops on a real project that matches the criteria for test automation.

Test Automation Process		Testing Lifecycle Phases					
		Test Planning & Control	Test Analysis & Design	Implementation & Execution	Evaluating Exit Criteria & Reporting	Closure	
Disciplines	Testing Processes	Test Management	TAP.1 - Feasibility Analysis		Defect Management	Prepare Test Summary Results	
			TAP.2 - Plan for Test Automation				
		Test Planning			Test Monitoring & Control		
	Test Engineering		TAD.1 - Understand Requirements for TA		TAE.1 - Setup TA Environment		
			TAD.2 - Identify TCs to be automated		TAE.2 - Create TA Suite		
			TAD.3 - Design TA Framework		TAE.3 - Prepare TA Data		
					TAE.4 - Execute TA Scripts		
	Supporting Processes	Configuration	Place TA CIs under CM				
		Management	Manage Change to TA CIs				
		Peer Review			TAP.1 - Autom. Technical Review on TA Suite		

Service Model
Service Delivery

Consultancy, Technical Support

- 1 visit for analysis and planning
- 7 biweekly visits
- 7 days offsite support
- 1 visit for evaluation and closure
- Each visit is 6 working hours

The Software Testing Services are offered through two waves per year, usually starting in January and July, with three customers per wave. Additional requests might be fulfilled as per resources availability

Prerequisite(s) Customer must have an established testing unit

Territories Worldwide

Online Order www.secc.org.eg/services/order.asp

Service Components:

- Test Automation (TA) Process Framework
- TA Strategy
- Tool Selection and Evaluation
- Estimation
- ROI and Measurements
- Designing TA Suites

This service helps organization through the full process of test automation starting from selecting the suitable test automation tool to calculating the return on investment of test automation and including, but not limited to, defining criteria for applying test automation in projects, setting a test automation approach within the selected projects, and introducing new measures related to test automation into the existing testing metrics.

Target Customers Software Development Company, ICT Service Provider
Related Services Functional Testing
Working Hours 8:30 AM to 16:00 PM Sunday to Thursday

SWT-TPI

Testing Process Improvement

This service define and improve the customer's testing processes in accordance to the industry's best practices through the implementation of SECC's Testing Process Improvement Guide (TPIG). The TPIG is an out-of-the-box process definition covering the full testing lifecycle. The TPIG is based on ISTQB® fundamental testing process as defined in the ISTQB Syllabus and it satisfies the TMMi® Model-Maturity Level 2.

This service covers all the different types of activities within SW testing under both test management and test engineering. It helps the customer automate selected activities within the process to increase productivity and enhance control.

Test Process	Testing Lifecycle Phases					
	Test Planning & Control	Test Analysis & Design	Implementation & Execution	Evaluating Exit Criteria & Reporting	Closure	
Disciplines	Testing Processes	TPC.1 - Test Strategy		TIM.1 - Prepare Test Execution Plans	TER.1 Test Phase Exiting	TCL.1 Test Sign-Off
		TPC.2 - Test Planning		TEX.1 - Test Cycle Management	TER.2 Prepare Test Summary Reports	TCL.2 Test Closure
		TPC.2.1 - Product Risk Assessment		TEX.1.1 - Release to Test		
		TPC.2.2 - Test Estimation		TEX.2 - Defect Management		
		TPC.3 - Test Monitoring & Control				
	Test Engineering		TAD.1 - Understand & Analyze Requirements	TIM.2 - Test Suite Implementation		
			TAD.2 - Identify Test Objects and Conditions	TIM.3 - Establish the Test Environment		
			TAD.3 - Design System Test Cases	TEX.1.2 - Test Case Execution		
				TEX.1.3 - Defect Recording & Reporting		
Supporting Processes	Peer Review	PR.1 - Test Plan Technical Review	PR.2 - Test Case Technical Review	PR.3 - Test Suite Technical Review		
	Quality Assurance	QA.1 Conduct QA Audits				
	Configuration Management	CM.1 Place Testing CIs under CM				
		CM.2 Manage Changes to Testing CIs				
			Create Screen Clipping	(Windows-S)		

Service Model
Service Delivery

Consultancy, Technical Support

- 1 visit for analysis and planning
- 7 biweekly visits
- 7 days offsite support
- 1 visit for evaluation and closure
- Each visit is 6 working hours

The Software Testing Services are offered through two waves per year, usually starting in January and July, with three customers per wave. Additional requests might be fulfilled as per resources availability

Prerequisite(s) None

Territories Worldwide

Online Order www.secc.org.eg/services/order.asp

Service components include:

- Test Planning
- Test Monitoring and Control
- Test Analysis and Design
- Test Case Management
- Defect Management
- Test Metrics
- Test Reporting

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Target Customers Software Development Company, ICT Service Provider
Related Services None
Working Hours 8:30 AM to 16:00 PM Sunday to Thursday