

Functional Area: Product & Service Life Cycle (Security)

1. Title	Carry out product and service access security testing	
2. Code	ITCSPL327A	
3. Range	This UoC applies to all procedures and activities related to the carrying out of the company's access security checking. Actually this step is a component of the overall security testing, and sometimes categorised as part of the security functional testing.	
4. Level	3	
5. Credit	3	
6. Competency	<p>6.1 Possess the knowledge in the subject area</p> <p>6.2 Carry out product and service access security testing</p> <p>6.3 Exhibit professionalism</p>	<p><u>Performance Requirement</u></p> <ul style="list-style-type: none"> ● Understand that access security checking is a fundamental activity, but at the same time also an indispensable item in the overall security testing of the company ● Understand that for the sake of comprehensiveness access security needed to be conducted whenever a user calls a method that accesses a protected resource or information ● Understand that access security checking will be experienced by customers of the company's products / services and thus demands for proper handling ● Understand that an effective access security checking mechanism demands for consistent treatment to successful and non-successful access or login attempts ● Be aware of the wide range of techniques and methodologies for access security checking, each with its own advantages and shortcomings ● Well-define in advance the scope and areas for the access security checking within the company's overall security testing plan ● Carefully consider critical factors while determining details of the access security control, including say the means (using password - requirements imposed upon password), and related administrative arrangements (number of attempts allowed for password entry, password expiry, password history, etc) ● Arrange implementation of the established access security checking methods, with the adoption of software programs or modification of existing software systems ● Closely monitor the effective carrying out of the access security checking to ensure no of security leakage will happen ● In case loopholes are discovered or malfunctioning in access security occurs, take all necessary actions to ensure that the case can be detected and handled immediately ● Communicate with customers effectively and skillfully such that they know the company's policies regarding access security checking, and will follow the guidelines and advices for them ● Effectively communicate with all related staff members in case any follow up / ad hoc activities regarding access security needed to be performed by them ● Always ensure all related staff members contribute their greatest effort honestly in conducting activities related to access security checking ● Always strike a proper balance of interests between customers and the company as a whole
7. Assessment Criteria	The integrated outcome requirements of this UoC are the abilities to: <ul style="list-style-type: none"> i. successfully design a proper access security checking scheme for the company ii. ensure all access security checking tasks will be executed effectively and correctly without being bypassed iii. determine and conduct remedy actions in case problems or errors related to access security do occur 	
Remark		