

**Functional Area: Product & Service Life Cycle (Security)**

1. Title	Carry out fault detection	
2. Code	ITCSPL325A	
3. Range	This UoC applies to all considerations and processing related to the detection and handling of faulty situations during security audit procedure designing. This step usually goes parallel with the security control reviewing.	
4. Level	3	
5. Credit	3	
6. Competency	<p>6.1 Possess the knowledge in the subject area</p> <p>6.2 Carry out fault detection</p> <p>6.3 Exhibit professionalism</p>	<p><u>Performance Requirement</u></p> <ul style="list-style-type: none"> <li>● Understand the importance in the detection of any faulty or erroneous situations on time, including the company's existing security related issues</li> <li>● Understand the necessity in clearly defining the meaning of faulty situations or cases if the process of fault detection is to be effective and efficient</li> <li>● Understand that any faulty cases detected must be reported, analysed and catered for immediately, but there are resources implications</li> <li>● Understand that allocation of sufficient and quality personnel, together with well-planned administrative procedures are key factors for effective fault detection</li> <li>● Be aware of the different available approaches and techniques for fault detection, each with its own benefits and shortcomings</li> </ul> <p>Be able to:</p> <ul style="list-style-type: none"> <li>● Exercise good planning skill to embed in advance elements of fault detection while designing the procedure for the company's security audit</li> <li>● Prepare in advance the necessary resources for fault detection such as administrative arrangement, related hardware and software, and even suitable manpower resources to ensure that the task can commence and work when needed</li> <li>● Conduct and monitor the actual carrying out of those security related fault detections activities</li> <li>● Ensure all faulty or erroneous situations / cases can be detected with details sent to responsible personnel immediately</li> <li>● Ensure that those built-in automatic mechanism (if any) will be triggered and can react immediately when faults are detected</li> <li>● Ensure that responsible personnel will be alerted of the faulty situations immediately and there are pre-established guidelines for them to follow, react and report</li> <li>● Effectively communicate and recommend follow up actions for customers / users if they are affected by the faults being detected</li> </ul> <ul style="list-style-type: none"> <li>● Always ensure all related staff members contribute their greatest effort in carrying out and reacting to those fault detection activities</li> <li>● Always strike a proper balance of interests between customers and the company , and also efficiency and security protection</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ol style="list-style-type: none"> <li>i. successfully design and implement a chain of activities for the company's security fault detection</li> <li>ii. enable the security fault detection mechanism to effectively operate</li> <li>iii. ensure all faulty situations can be detected and handled appropriately</li> </ol>	
Remark		