

**Specification of Competency Standards**  
**for the Information & Communications Technology Industry**  
**Unit of Competency**

Functional Area - Design, Development & Maintenance

Title	Verify and validate that the deployed / migrated software and the existing software are functioning properly
Code	111159L4
Range	Verify and validate that the deployed/migrated software and the existing software are functioning properly in the context of deploying and migrating software
Level	4
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Understand the relationship between the deployed or migrated software with other systems</p> <ul style="list-style-type: none"> <li>• Be able to <ul style="list-style-type: none"> <li>○ state the features of the newly deployed software</li> <li>○ state which functionalities from the retired software were replaced by that from the migrated software</li> <li>○ identify the position of the deployed or migrated software in the integrated environment within an organization</li> </ul> </li> </ul> <p>2. Perform verification and validation on the deployed or migrated software</p> <ul style="list-style-type: none"> <li>• Be able to <ul style="list-style-type: none"> <li>○ draw up a verification and validation plan on the deployed or migrated software for subsequent verification and validation process</li> <li>○ trace the recorded results from deployment or migration process and any other traceable reports to determine whether the software was implemented correctly and completely according to defined requirements such as those in the area of <ul style="list-style-type: none"> <li>▪ Performance</li> <li>▪ Data security and integrity</li> <li>▪ Interoperability with other system components</li> </ul> </li> </ul> </li> </ul> <p>3. Ensure independent operation in verification and validation process</p> <ul style="list-style-type: none"> <li>• Be able to <ul style="list-style-type: none"> <li>○ conduct additional tests to verify and testify that the deployed / migrated software and any existing software are functioning properly</li> <li>○ walkthrough all steps in verification and validation plan</li> <li>○ review documentary evidence received and fully document audit works</li> <li>○ ensure audit documentations are properly retained by following the organisation's / auditor's guidelines</li> </ul> </li> </ul> <p>4. Verify and validate the deployed / migrated software and the existing software are functioning properly professionally</p> <ul style="list-style-type: none"> <li>• Be able to verify and validate the deployed / migrated software and the existing software are functioning properly in accordance with organization's guidelines as well as any (local and international) laws and regulatory requirements, if applicable</li> </ul>
Assessment Criteria	<p>The integrated outcome requirement of this UoC are the abilities to :</p> <ul style="list-style-type: none"> <li>• confirm that the deployed or migrated software delivers its expected outcomes</li> <li>• confirm that the deployed or migrated software and the existing software are functioning properly</li> </ul>

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Remark	
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