Information and Communications Technology Industry Training Advisory Committee
Software Products and Software Services (SW) branch
Unit of Competencies

1. Title	Develop test plans for various levels of testing (See Remark for various levels of testing)
2. Code	ITSWDM507A
3. Range	Develop test plans for various levels of testing in the context of development of software products / services within an organisation or for a client [Design Development Maintenance – Software Quality Assurance]
4. Level	5
5. Credit	2
6. Competency	<u>Performance Requirement</u> 6.1 Have the knowledge to design test plans according to the software requirements specification (SRS) and other software documents Be able to identify the requirements of various level of test plans according to the SRS, various software design documents and program source 6.2 Develop test plans for various levels of testing Based on software documentations such as the SRS, various software design documents and program source, be able to ▪ develop test plan for unit testing ▪ develop test plan for integration testing ▪ develop test plan for system testing ▪ develop test plan for functional and performance testing ▪ develop test plan for user-acceptance testing 6.3 Ensure the total cost for software testing is within budget Be able to ▪ evaluate the total cost for software testing according to various level test plans ▪ review the test plans if the cost exceeds the budget 6.4 Develop test plans for various levels of testing in a professional manner Be able to ▪ develop test plans for various levels of testing ▪ ensure the total cost for testing is within the budget in accordance with the organization's guidelines as well as any (local and international) laws and regulatory requirements, if applicable
7. Assessment Criteria	The integrated outcome requirements of this UoCs is the ability to design effective test plans for various levels of testing.
Remark	Various levels of testing include unit testing, integration testing, system testing – functional testing and performance testing, and user-acceptance testing.