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

1. Title	Plan quality assurance (QA) activities of a software product (See Remark 1 for the meaning of "software product")
2. Code	ITSWQA506A
3. Range	Plan QA activities of a software product of an organization to assure the quality of that product [Quality Assurance – Product Level QA]
4. Level	5
5. Credit	3
6. Competency	<table><tr><td></td><td>Performance Requirement</td></tr><tr><td>6.1 Know various components of a project QA plan</td><td>Be able to - understand the requirements of a project QA plan covering topics such as those mentioned in Remark 2 - identify and establish specific QA objectives from the general project scope for the QA activities </td></tr><tr><td>6.2 Know how to select adequate tools and techniques for the required QA activities</td><td>Be able to - analyse the project input before selecting tools and techniques for QA activities - understand the appropriate tools and techniques available for the required QA activities </td></tr><tr><td>6.3 Develop a software project QA plan</td><td>Be able to - develop a software project QA plan that covers topics as suggested in Remark 2 - select appropriate tools and techniques to perform the required QA activities </td></tr><tr><td>6.4 Develop a software project QA plan in a professional manner</td><td>Be able to - develop a software project QA plan in an efficient and effective manner - develop a software project QA plan in accordance with industry best practices, organization's guidelines as well as any (local and international) laws and regulatory requirements, where applicable - communicate with project managers and stakeholders so as to obtain consensus on project QA plan from them as appropriate - obtain endorsement from stakeholders </td></tr></table>
7. Assessment Criteria	The integrated outcome requirements of this UoCs are the abilities to: (i) develop a QA plan of the software product to assure its quality; and (ii) obtain consensus on the QA plan from project manager and stakeholders.

Remark	1. Within this UoCs, "software product" takes a boarder meaning of software project, software product, and software services.
	2. A project QA plan includes, but is not limited to, topics such as
	   a) Schedule;
	   b) Scope;
	   c) Review activities;
	   d) Audit activities;
	   e) Resources;
	   f) Check List;
	   g) Measurement program;
	   h) QA Tools; and
	   i) Reporting mechanisms.