

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

1. Title	Develop and implement software configuration management plan	
2. Code	ITSWDM605A	
3. Range	Develop and implement software configuration management plan according to organizational processes, procedures and standards in the context of system configuration management during the development of software products / services within an organisation or for a client [Design Development Maintenance – Software Configuration Management]	
4. Level	6	
5. Credit	1	
6. Competency	<p>6.1 Understand the principles and concepts of system configuration management</p> <p>6.2 Develop software configuration management plan</p>	<p><u>Performance Requirement</u></p> <p>Be able to</p> <ul style="list-style-type: none"> ▪ appreciate the importance of configuration management to a software system to ensure software quality ▪ understand the requirements of software configuration management plan <p>Be able to</p> <ul style="list-style-type: none"> ▪ define the purposes and scope of the software configuration management plan ▪ set up an software configuration management organization and its authorities and responsibilities ▪ determine configuration management processes ▪ acquire suitable configuration management software to support these processes, if necessary ▪ develop procedures and standards for the major aspects of configuration management such as configuration identification, configuration changes control, configuration status accounting and configuration auditing and review ▪ define criteria for change control baselines, reviews and audit

	<p>6.3 Implement software configuration management plan</p> <p>6.4 Exhibit professional skills in the development and implementation of software configuration management plan</p>	<p>Be able to</p> <ul style="list-style-type: none"> ▪ perform configuration identification involving components' specification, configuration baselines, identification tracking schemes, and etc ▪ perform configuration changes control by defining procedures for changing baselines, procedures for approving change requests and updating relevant documents and etc ▪ perform configuration status accounting recording types of information needed to be reported for control and producing various reports ▪ perform configuration auditing <p>Be able to</p> <ul style="list-style-type: none"> ▪ develop and implement the software configuration management plan in an efficient and effective manner ▪ adapt standard change control methodologies and principles to cater for the peculiar system configuration management environment ▪ obtain agreement among stakeholders
<p>7. Assessment Criteria</p>	<p>The integrated outcome requirements of this UoCs is the ability to produce a software configuration management plan documenting the following:</p> <ul style="list-style-type: none"> (i) its purposes and scope; (ii) an configuration management organization and its authorities and responsibilities; (iii) the configuration management processes; (iv) the procedures and standards for the four major aspects of configuration management; and (v) the criteria for change control baselines, reviews and audit. 	
<p>Remark</p>		