

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

1. Title	Understand Systems Development Life Cycle (SDLC) and software development process	
2. Code	ITSWG619A	
3. Range	Understand Systems Development Life Cycle (SDLC) and software development process in order to perform IT consulting within an organisation or for an external client [Generic Skills - IT Consulting / Champion]	
4. Level	6	
5. Credit	4	
6. Competency	<p>6.1 Have knowledge of SDLC and software development process</p> <p>6.2 Apply the knowledge of SDLC and software development process in developing software for an organisation</p> <p>6.3 Enhance effectiveness and efficiency in software development through the use of SDLC and software development process in an organisation</p>	<p><u>Performance Requirement</u> Be able to</p> <ul style="list-style-type: none"> ▪ specify the activities involved in SDLC ▪ understand the various methodologies on software development process ▪ understand the IT tools, if any, available for SDLC and software development processes <p>Be able to</p> <ul style="list-style-type: none"> ▪ plan the activities involved in SDLC and software development process, with reference to the appropriate methodologies on software development ▪ make use of the IT tools, if any, in the planning of these activities <p>Be able to</p> <ul style="list-style-type: none"> ▪ apply SDLC and software development process in the most effective and efficient manner, taking into consideration the specific situation of the organisation ▪ make use of appropriate IT tools, if any, in the most effective and efficient manner ▪ manage software development projects and demonstrate that it is under control through the use of SDLC and software development process ▪ keep stakeholders informed on the activities and progress of software development
7. Assessment Criteria	The integrated outcome requirement of this UoCs is that software development in the organisation is well managed and under control through the use of SDLC and appropriate software development process.	
Remark	This UoCs is related to and may overlap with UoCs defined in Design, Development and Maintenance functional area.	