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

1. Title	Develop program modules of the software based on its design documents
2. Code	ITSWDM504A
3. Range	Develop program modules of the software based on its design documents using specified programming languages following the company's coding standards or by adopting certain international coding standards in the context of development of software products / services within an organisation or for a client [Design, Development and Maintenance – Software Development (Programming) and Related Activities]
4. Level	5
5. Credit	6
6. Competency	**6.1 Comprehend design documentations** **6.2 Decompose program modules** **6.3 Develop program modules in a professional manner**	Performance Requirement Be able to comprehend the structure and content of various design documents including: ▪ AD (Architecture design) ▪ HLD (High level design) ▪ DLD (Detailed level design) Be able to ▪ devise program modules based on DLD, HLD and AD ▪ decompose different program modules into software/system components according to its design documentations Be able to ▪ develop program modules according to company and/or international coding standards, and in an efficient and effective manner ▪ develop codes that execute efficiently ▪ develop programs with proper documentation
7. Assessment Criteria	The integrated outcome requirements of this UoCs are the abilities to: (i) devise system components based on design documents; and (ii) develop program modules according to company's / international coding standards.
Remark	