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

1. Title	Formulate, analyse, and develop requirements for the development of software products / services
2. Code	ITSWDM501A
3. Range	Formulate, analyse, and develop both functional and non-functional requirements for the development of software products / services in the context of development of software products / services within an organisation or for a client [Design, Development and Maintenance – Requirements]
4. Level	5
5. Credit	8

6. Competency	<table><tr><td></td><td>Performance Requirement</td></tr><tr><td>6.1 Understand the user requirement process</td><td>Be able to facilitate users to provide user requirements of the application</td></tr><tr><td>6.2 Formulate and analyse user requirements of the application</td><td>Be able to
	▪ Formulate user requirements
	▪ analyse user requirements
	▪ synthesize and define user requirements
	▪ prioritise user requirements</td></tr><tr><td>6.3 Develop user requirements with users of the software application</td><td>Be able to
	▪ work with users to formulate, analyse, synthesize, and develop functional requirements of the software application based on the agreed user requirements
	▪ work with users to formulate, analyse, synthesize, and develop non-functional requirements, including:
	  ➢ performance
	  ➢ usability / re-usability
	  ➢ reliability, availability and maintainability (RAM)
	  ➢ Graphical User Interface (GUI)
	  ➢ operating environment (Both hardware and software)
	  ➢ safety and security</td></tr><tr><td>6.4 Prioritize functional requirements in a professional manner</td><td>Be able to prioritize the functional requirements for development based on agreed criteria (see Remark for examples) within an organization</td></tr></table>

7. Assessment Criteria	The integrated outcome requirements of this UoCs are the abilities to: (i) develop functional and non-functional user requirements; and (ii) prioritize functional requirements in a professional manner.
Remark	Examples of criteria for prioritizing the functional requirements are the alignment to business objectives and common features to various system components.