

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

1. Title	Prepare quality assurance (QA) requirements of a software product (See Remarks 1 and 2 for meaning of “prepare” and “software product”, respectively)
2. Code	ITSWQA505A
3. Range	Prepare quality assurance requirements of a software product of an organization to assure the quality of the product [Quality Assurance – Product Level QA]
4. Level	5
5. Credit	2
6. Competency	<p><u>Performance Requirement</u></p> <p>6.1 Know how to identify the quality requirements and quality measurement criteria of a software product</p> <p>Be able to</p> <ul style="list-style-type: none"> <li>▪ identify the quality requirements of a software product including the business functional capabilities and quality attributes of the software product and / or software services</li> <li>▪ identify the appropriate quality metrics to measure the quality requirements of the software product</li> <li>▪ know about various documentations of QA</li> </ul> <p>6.2 Establish quality requirements of the software product</p> <p>Be able to</p> <ul style="list-style-type: none"> <li>▪ assist the project team to establish the quality requirements of the software product based on inputs from stakeholders and the related project authorities</li> <li>▪ establish product-specific or phase-specific metrics</li> <li>▪ assist the project team to develop their own quality control (QC) plans</li> <li>▪ prepare and negotiate an overall QA plan of the software product for project team to follow</li> </ul> <p>6.3 Ensure that the overall QA plan is in alignment with the client’s quality requirements</p> <p>See Remark 3 for the meaning of QC in a software product Be able to communicate with clients to ensure that the overall QA plan aligns with the client’s quality requirements</p> <p>6.4 Prepare QA requirements of a software product in a professional manner</p> <p>Be able to prepare QA requirements of a software product</p> <ul style="list-style-type: none"> <li>▪ in an efficient and effective manner</li> <li>▪ in accordance with industry best practices, organization’s guidelines as well as any (local and international) laws and regulatory requirements, where applicable</li> <li>▪ with endorsement from stakeholders</li> </ul>
7. Assessment Criteria	The integrated outcome UoCs requirements of this UoCs are the ability to prepare the quality assurance requirements of a software product of an organization to assure the quality of the product.

Remark	<ol style="list-style-type: none"><li>1. Within this UoCs, “prepare” also refers to mean propose, negotiate, or draft; and “product” refers to product, service or a software project.</li><li>2. Within this UoCs, “software product” takes a boarder meaning of software project, software product, and software services.</li><li>3. Within this UoCs, “Quality Control (QC)” in a software product refers to the testing and inspections of software products being developed and / or software services being provided.</li></ol>
--------	--