

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

1. Title	Assist in quality assurance (QA) certification and international standards adoption								
2. Code	ITSWQA502A								
3. Range	Assist in QA certification and international standards adoption for an organization, if required 1. [Quality Assurance – Organizational Level QA]								
4. Level	5								
5. Credit	4								
6. Competency	<table border="0" style="width: 100%;"> <tr> <td style="width: 30%;"></td> <td style="text-align: center;"><u>Performance Requirement</u></td> </tr> <tr> <td>6.1 Understand available relevant certification standards</td> <td> Be able to <ul style="list-style-type: none"> ▪ evaluate the needs for certification ▪ explore and identify the most relevant and suitable certification standards according to the nature of software products/services provided by the organization </td> </tr> <tr> <td>6.2 Plan and obtain a suitable software QA certification of international standards</td> <td> Be able to <ul style="list-style-type: none"> ▪ plan, manage and execute the required process for obtaining the certification (See Remark 2 for examples of related activities) ▪ seek the right training for organization </td> </tr> <tr> <td>6.3 Maintain the certification of international standards</td> <td> Be able to <ul style="list-style-type: none"> ▪ provide training for compliance with the certification standards and processes continuously ▪ improve practices of QA processes continuously to maintain the certification ▪ increase the competitiveness of the organisation through certification of international standards </td> </tr> </table>		<u>Performance Requirement</u>	6.1 Understand available relevant certification standards	Be able to <ul style="list-style-type: none"> ▪ evaluate the needs for certification ▪ explore and identify the most relevant and suitable certification standards according to the nature of software products/services provided by the organization 	6.2 Plan and obtain a suitable software QA certification of international standards	Be able to <ul style="list-style-type: none"> ▪ plan, manage and execute the required process for obtaining the certification (See Remark 2 for examples of related activities) ▪ seek the right training for organization 	6.3 Maintain the certification of international standards	Be able to <ul style="list-style-type: none"> ▪ provide training for compliance with the certification standards and processes continuously ▪ improve practices of QA processes continuously to maintain the certification ▪ increase the competitiveness of the organisation through certification of international standards
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7. Assessment Criteria	The integrated outcome requirements of this UoCs are the abilities to: (i) obtain QA certification for an organization; and (ii) maintain QA standards of an organization so as to increase the competitiveness of the organization.								
Remark	<ol style="list-style-type: none"> 1. Within this UoCs, “software product” refers to software product, software service or software project. 2. Examples of the related activities should include <ol style="list-style-type: none"> a) evaluation of certification bodies and/or consultants, if possible, to be engaged in the certification process; b) selection of and preparation for the appropriate assessment methods for different types of products, process, or projects against management criteria as well as against industry models (if a model has been adopted); c) quality management (QM) system tuning based on assessment results and feedback gathered; and d) integration with other types of IT models such as Cobit, ITIL, and ISO17799. 								