

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

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| 1. Title | Maintain a library of reusable application components |
| 2. Code | ITSWAR402A |
| 3. Range | Form a library of reusable application components from applications to be used as building blocks for future application software architecture or for future ICT infrastructure of an organisation [Architecture – Application Software Architecture] |
| 4. Level | 4 |
| 5. Credit | 1 |
| 6. Competency | <p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Understand the functions of each building block and the relationship between different building blocks under the adopted application software architecture</p> <p>Be able to</p> <ul style="list-style-type: none"> ▪ determine whether a building block is part of a certain application software architecture ▪ identify whether a building block conforms to the requirements of a certain application software architecture ▪ justify whether a building block is commonly reusable by the other similar applications <p>6.2 Maintain a common library of reusable application software components</p> <p>Be able to</p> <ul style="list-style-type: none"> ▪ setup a common framework for application development ▪ maintain and update a common library of reusable application software components (to be used as software architecture building blocks in the future) as part of ICT infrastructure of an organisation for reuse ▪ ensure that each building block in the library conforms to the adopted application software architecture standards <p>6.3 Devise a mechanism to facilitate the update of the library of reusable application software components</p> <p>Be able to</p> <ul style="list-style-type: none"> ▪ develop a guideline for other applications to adopt the library of reusable application software components ▪ devise a feedback mechanism for application project teams to submit comments and suggestions to the library of reusable application software components ▪ manage the configuration of the components in the common library to ensure their proper integration with application software to be developed in the future |
| 7. Assessment Criteria | The integrated outcome requirements of this UoCs are the abilities to maintain and update a common library of reusable application software components to be used in future software development and to become part of ICT infrastructure of an organisation for reuse. |
| Remark | |