

Specification of Competency Standards
for the Information & Communications Technology Industry
Unit of Competency

Functional Area - Architecture

Title	Develop application integration architecture
Code	111124L6
Range	Evaluate, develop and apply appropriate resources and model to support application integration architecture, based on business drivers, requirement of specific problem and existing IT infrastructure of the organisation with aid of emerging technologies such as AI and ML.
Level	6
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Understand new technology and development trend of proprietary and open technology products</p> <ul style="list-style-type: none"> • Be able to <ul style="list-style-type: none"> ○ understand new technologies and products provided by specific vendor for supporting the end stage of application integration ○ understand open source and open technology products ○ leverage emerging technologies to come up with metrics that better evaluate the appropriateness of these products to be used as application integration architecture resources (Remark) <p>2. Understand the latency and accessibility of computer systems across multiple processing environment</p> <ul style="list-style-type: none"> • Be able to <ul style="list-style-type: none"> ○ define resources requirements and project plan to support the implementation of proposed application integration architecture model ○ select relevant application integration architecture resources (in-source and/or outsource) based on the skills and competencies for intended purposes <p>3. Implement application integration architecture resources</p> <ul style="list-style-type: none"> • Be able to <ul style="list-style-type: none"> ○ develop and implement (i.e. buy, build, and apply any combinations of them) application integration architecture resources to support the application integration architecture as well as to become part of IT architecture of an organisation ○ develop quality assurance procedures and checkpoints to ensure the compliance to defined principles, policies and standards
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to :</p> <ul style="list-style-type: none"> • select relevant application integration architecture resources based on the proposed application integration architecture; and • develop application integration architecture resources to support the application integration architecture as well as to become part of IT architecture of an organisation.
Remark	Examples of application integration resources are software products, platforms, and headcount with strength in emerging technologies