

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

Functional Area - DMT Architecture

Title	Implement cloud strategy of digital media content
Code	108056L4
Description	This unit of competency applies to all Digital Media Technology (DMT) practitioners responsible for implementation of cloud services. Implementing the cloud strategy should be well planned and avoid too much interruptions to business and users. It should achieve expected business values and results. The plan should consider different methodologies of implementation that enable data migration, performance, compatibility and interoperability with the organisation business functions.
Level	4
Credit	6
Competency	<p>Performance Requirements</p> <p>1. Knowledge for implementing cloud strategy of digital media content</p> <ul style="list-style-type: none"> • Possess in-depth project management skills • Possess good communication and interpersonal skills that can manage people at all levels • Possess in-depth knowledge of the organisation's digital media business • Possess good experience with private and public cloud such as: IAAS (Infrastructure as a Service), SAAS (Software as a Service), PAAS (Platform as a Service), CDN (Content Delivery Network) • Possess in-depth knowledge of infrastructure network design and CDN • Possess in-depth skills in implementation of cloud solutions for enterprise <p>2. Implement cloud strategy of digital media content:</p> <ul style="list-style-type: none"> • Follow the organisation's content strategy and develop a content audit that will be used to determine effectiveness of implementation, including but not limited to the following: <ul style="list-style-type: none"> ○ Target audience's needs ○ Geographic flow of contents ○ Category and quantity of contents (dynamic and static) ○ Access patterns, storage requirements, security and protection needs • Follow the organisation's cloud strategy, including: <ul style="list-style-type: none"> ○ Trial, prototype or full implementation ○ Single or multi-tenancy ○ Governance and standards ○ Work practices • Develop implementation plan, including but not limited to the following: <ul style="list-style-type: none"> ○ Identify and evaluate suitable cloud providers ○ Implementing security strategy <ul style="list-style-type: none"> ▪ Data in transit, secure use of service ▪ Asset protection and resilience ▪ Operation and personal security, identity and authenticity ▪ Tools to control access, distribution of contents, content migration ▪ Task's schedules and responsible person ○ Preparation requirements prior implementation <ul style="list-style-type: none"> ▪ Coordination with service provider ▪ Systems and contents backup ▪ Fallback procedures ▪ Test and acceptance plans • Perform following implementation processes

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

Functional Area - DMT Architecture

	<ul style="list-style-type: none"> ○ Create an inventory of existing systems, software, infrastructure and their setting that will be used in virtualised manner ○ Develop RFP (Request for Proposal) for suitable cloud service provider ○ Compare service providers proposals and perform due diligence on all prospective partners. Examples of selection criteria: <ul style="list-style-type: none"> ▪ Flexible solutions ▪ No vendor lock-in to cloud architecture, tools or hosting ▪ Robust networking with advanced load balancers and application delivery controllers ▪ Dedicated team available to support with 24/7/365 ▪ Online dashboard updated in real-time with all relevant specifications ○ Provide recommendation to the selection panel (team) ● Perform rollout of cloud services <ul style="list-style-type: none"> ○ Rollout and evaluate trials. ○ Adjust and refine main implementation plan ○ Perform full deployment and monitor cloud services. The deployment will require data migration, testing of apps, infrastructure, ensuring all stakeholders requirements have been catered for and performing reviews with all stakeholders and service providers, etc. <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> ● Apply industry best practices to rollout cloud services with no disruption to organisation's business and users
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ul style="list-style-type: none"> ● Develop a very comprehensive implementation plan that enable a smooth journey to the cloud and fulfill the organisation's goals ● Formulate comprehensive RFP and a list of selection criteria that can identify and recommend the most suitable cloud service providers ● Perform the rollout tasks on schedule with minimal disruption to users and customers
Remark	