

Specification of Competency Standards
for the Banking Industry
Unit of Competency

Functional Area - 6. Technology Management
(Key Function – 6.3 Applications Design, Development and Maintenance)

Title	Perform system development and engineering
Code	109378L5
Range	Development of rollout plan of new IT systems. This applies to the development and engineering work on ordinary IT systems and other financial technology systems.
Level	5
Credit	4 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Knowledge in the Subject Area</p> <p>Be able to:</p> <ul style="list-style-type: none"> • Understand the involvement and impact in the system rollout and conduct review to ensure involved technical personnel and users understand the impact of the new systems; • Understand the mechanism of feedback management and apply the knowledge to review feedback from each party and stakeholders, identify their potential resistance, and change requests in the rollout plan; • Understand current market trends in IT development for potential adoption in the bank (e.g. Agile, devops, etc.). <p>2. Applications</p> <p>Be able to:</p> <ul style="list-style-type: none"> • Coordinate the tasks between the service provider, suppliers and the internal and external business partners to plan and deliver the rollout (e.g. card merchants, regulators, etc.); • Establish change and rollout management plan specifying process, schedule, responsible parties and action steps, etc. in bringing in the new changes; • Plan and test system rollout, manage testing of functional and non-functional requirements; and deliver associated documentation; • Develop verification and revamped rollout plan to ensure the involved systems run smoothly after the rollout; • Relate compatible software components and required visible properties of those components to compute or programme systems in use for providing professional operation environment to users; • Develop different types of IT architectures (e.g. application software, data, network, security) to meet the business strategy and needs of the bank according to technology needs analysis; • Apply different ways of working to efficiently implement new IT development and systems, including Agile, devops approaches. <p>3. Professional Behaviour and Attitude</p> <p>Be able to:</p> <ul style="list-style-type: none"> • Design and provide necessary infrastructure to support the users in adopting the changes or the new systems; • Manage the implementation of the rollout process, fixing problem in a prompt manner to minimize disruption of operations; • Adjust the system appropriately after carrying out evaluation study in conjunction with related business and operation units to assess effectiveness of the system.

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Assessment Criteria	The integral outcome requirements of this UoC are: <ul style="list-style-type: none">• Formulation of plan on rollout management in IT systems. The plan should be based on analysis on the nature and extent of changes, profiles of stakeholders, anticipated resistance etc.;• Monitoring of the rollout processes and carrying out problem solving during the course in a swift and effective manner.
Remark	