Functional Area: Network Infrastructure & Operation (Operation / Support & Maintenance)

1.	Title	Compare results of simulated "rollout"
2.	Code	ITCSNO426A
3.	Range	Rolling out a network to production will require substantial amount of planning and project management activities. This UoC defines the competencies for "pre-network rollout". At this stage, simulation tools or just plain "planning charts" (flow diagrams) may be used to simulate network rollout. It is needed to consider factors associated with rolling out a network and the results are analysed to identify any risks factors, critical points that may affect the real rollout, etc. The types of networks being considered are new deployments of mobile or wireline networks.
4.	Level	4
5.	Credit	3
6.	Competency	**Performance Requirement** 6.1 Possess the knowledge in the subject area • Expert in network deployment planning (to define network deployment strategy) and deployment schedule • Possess extensive knowledge in network architecture, network technologies and their operating characteristics, including routing, transmission, security, performance, etc. • Possess extensive experience in the methodology of Network Rollout Management (NRM) such as initial phase, installation and customisation phase, user training and live phase • Possess extensive experience in network performance analysis • Understand health and safety procedures, government regulations, compliances, etc. 6.2 Compare results of simulated "rollout" Be able to: • Determine the network rollout scope, such as network size, timeframe, target cost, target quality, etc • Design different rollout scenarios and plan the rollout steps • Feed in different parameters, such as schedules, manpower, faculties, into the different phases of network rollout model and acquire a "weighting" for each scenario. If no simulation tool is used, walk through the rollout steps with group of colleagues to simulate the roll out • Analyse each case simulation reports and identify the most suitable scenario for the network deployment • Document the selected rollout scenario. • Present the cases to network rollout team and assist in the rollout of the network 6.3 Exhibit professionalism • Communicate and use suitable presentation skills to fit for the occasion and audience • Ensure all documentations are in accordance with the organisation's standards and policies.
7.	Assessment Criteria	The integrated outcome requirements of this UoC are the abilities to: i. work with colleagues to understand network rollout plans and requirements ii. formulate rollout scenarios and consider various advantages of each case in line with the organisation business operations/plans iii. present selected cases, with justifications, to rollout team and assist in selecting a most suitable rollout scenario. It should be in appropriate language and level for the audience
	Remark	