

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

1. Title	Maintain version control for software updates
2. Code	ITCSNO328A
3. Range	This UoC describes the competencies for maintaining version control for software update of network systems. Related software are either internally developed applications or vendor supplied patches of firmware or applications. Systems imply either telecommunication systems (routers, switches, etc.) or support systems (OSS, alarm monitoring, etc.). The version control system is an online database system which is used by a group of people or departments.
4. Level	3
5. Credit	1
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Possess the knowledge in the subject area</p> <ul style="list-style-type: none"> • Possess extensive experience with network systems and equipment used in the network infrastructure • Critically understand the importance and principles of version control • Possess extensive experience with the organisation's version control mechanism such as the version control coding system that identifies the network systems, the required details to be entered into the versioning system, etc • Experienced with using online version control systems • Experienced with designing and formulating version control procedures • Capable of maintaining records accurately <p>6.2 Maintain version control for software updates</p> <p>Be able to:</p> <ul style="list-style-type: none"> • Locate the software update report and determine the completeness of the updated report in particular the system or component ID, software ID and sequence or release number, etc • Locate the unique reference ID (UID) of the concerned updated system or device from the version control system. If the system or devices is new to the version control system then a new UID index record is needed to be created for this related system or device • Locate the concerned stored record and verify that the located record matches the concerned changes • Create a new detail update record and enter the software update details into the record. A new version reference number (VRN) may be generated for the new detail record. The detail record reference number should be automatically be linked with the UID of the updated system or device • Verify that the VRN is linked to the correct UID of updated system or device • Perform job completion procedures such as quality control check, sign off, etc. <p>6.3 Exhibit professionalism</p> <ul style="list-style-type: none"> • Follow the organisation standard policies and procedures when performing the record maintenance work
7. Assessment Criteria	The integrated outcome requirements of this UoC are the abilities to: <p>i. correctly locate the UID of the system or device that has software updated</p> <p>ii. enter the updated details into the version control system and verify that it is related to the changed system or device</p> <p>iii. complete the signoff procedures satisfactorily</p>
Remark	