Australian Government

MSS404061 Facilitate the use of SCADA systems in a team or work area

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSS404061A Facilitate the use of SCADA systems in a team or work area

Application

This unit of competency covers the skills and knowledge required by a team leader or technical expert to personally use and facilitate the use of System Control and Data Acquisition (SCADA), or other similar systems, and support the team in their use of SCADA.

This unit applies to individuals who will access the SCADA system for their own work, but will also need to provide support and organise skill development programs for their team members. It is also relevant to maintenance personnel using a SCADA system to coordinate maintenance activities.

This unit primarily requires the application of skills associated with using communication technology and supporting team use of SCADA systems. Problem solving, initiative and enterprise, and planning and organisational skills are required to ensure the system is used efficiently.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Competency Field

Competitive systems and practices

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.	
1 **Identify scope of SCADA system**	1.1	Identify categories of information held in and control options of SCADA system relevant to team or area.

		1.2	Identify range of information able to be provided to SCADA system by team.
		1.3	Identify range of information able to be provided to team by SCADA system.
		1.4	Identify team or area functions impacted by SCADA system.
2	**Communicate using SCADA system**	2.1	Send and receive information using SCADA.
		2.2	Send and receive messages using SCADA.
3	**Make decisions using SCADA**	3.1	Interrogate the SCADA system to find required current, historical or predicted information.
		3.2	Take actions appropriate to the information.
4	**Monitor the use of SCADA**	4.1	Routinely monitor SCADA information.
		4.2	Identify poor uses of SCADA system within team and system inadequacies.
		4.3	Identify system improvements required.
		4.4	Take action to improve SCADA system and its use.
5	**Support team use of SCADA**	5.1	Regularly communicate with team, both using SCADA-based communication and face to face.
		5.2	Identify skill improvement needs.
		5.3	Identify team members who require additional support.
		5.4	Take action to provide support according to procedures.

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Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Competitive systems and practices include one or more of:	• lean operations • agile operations • preventative and predictive maintenance approaches • statistical process control systems, including six sigma and three sigma • Just in Time (JIT), kanban and other pull-related operations control systems • supply, value, and demand chain monitoring and analysis • 5S • continuous improvement (kaizen) • breakthrough improvement (kaizen blitz) • cause/effect diagrams • overall equipment effectiveness (OEE) • takt time • process mapping • problem solving • run charts • standard procedures • current reality tree.
Stages where value stream actions occur include one or more of:	• sales outlet/representative • information gathering, data analysis and research • product design • raw material sourcing • intermediate processing • final assembler/collation/preparation • support services (e.g. accounting, finance and legal) • storage and delivery to customer • after market support.

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5b04f318-804f-4dc0-9463-c3fb9a3fe998

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