MSS402061 Use SCADA systems in operations

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSS402061A Use SCADA systems in operations

Application

This unit of competency covers the skills and knowledge required by an individual to interact with a System Control and Data Acquisition (SCADA) system as part of their job.

This unit applies to an individual in an organisation using a SCADA system and the individual must interface with that system. The individual will need to access this system as part of their routine and take actions based on the information they obtain from the SCADA system in accordance with procedures.

This unit requires the application of skills associated with using communication tools and technology for management of own work, planning and problem solving.

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 **Use operator interface**	1.1	Identify SCADA terminals relevant to own workstation and functions.
	1.2	Use keyboards, track ball, monitor and/or stand-alone controllers to access/interrogate system.
	1.3	Use correct level of access and find all relevant screens and information.

	1.4	Access message section and acknowledge messages.
	1.5	Input and output information correctly according to program and organisation requirements.

2	**Use information**	2.1	Obtain data and information from SCADA, as required, including process, supply and product chain data.
		2.2	Interpret data and information as required by own job.
		2.3	Find and use relevant historical data and information.
		2.4	Use manufacturer manuals or specifications, as required, to expand knowledge of SCADA system relevant to own work.
		2.5	Determine and prioritise required actions.

3	**Make required changes in accordance with procedures**	3.1	Adjust production/process in response to SCADA information.
		3.2	Record adjustments and variations to specifications/schedules and report to appropriate personnel.
		3.3	Seek feedback and information on adjustments to further improve procedures, where required.

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.
Procedures (written, verbal, visual, computer based, etc.) include one or more of:	• work instructions • standard operating procedures (SOPs) • safe work method statements • formulas/recipes • batch sheets • temporary instructions • any similar instructions provided for the smooth running of the plant.

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