



Australian Government

MSS405065 Develop the application of enterprise control systems in an organisation

Release: 1

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Modification History

Release 1. Unit code changed. Application changed. Elements changed. Performance Criteria changed. Foundation Skills populated. Assessment Requirements changed. Supersedes and is equivalent to MSS405063 Develop the application of enterprise control systems in an organisation.

Application

This unit describes the skills and knowledge required to develop significant modifications to an existing enterprise control system, or develop a replacement system, and oversee the implementation of the changes.

This unit applies to technical experts, team leaders, senior staff, managers or others who have been given the responsibility to determine enterprise control system needs of the organisation, liaise with technical experts, vendors and other stakeholders to define the replacement or modified system, facilitate approvals and oversee implementation of the changes.

Within this unit 'enterprise control systems' refer to information technology (IT) systems that integrate data from several processes or operations across the organisation to support overall effectiveness and efficiency. Examples include Supervisory Control and Data Acquisition (SCADA), Enterprise Resource Planning (ERP), Materials Resource Planning (MRPII), supply chain management systems and management control systems.

This unit applies to any organisation that has an enterprise control system in place.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Competency Field

Competitive systems and practices

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Monitor information and control needs of organisation	1.1 Check use of current information 1.2 Check operation of current control systems 1.3 Communicate with key information users regarding new or changed information control needs, including information needs from and to

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	value stream 1.4 Identify shortcomings in information and control provision 1.5 Take or initiate corrective action to address identified shortcomings
2. Check current system against organisation needs	2.1 Check routine use of system 2.2 Check system alarm or non-conformance notification and control operation 2.3 Communicate with key stakeholders about current system use and application 2.4 Determine effect of non-conformance on enterprise system 2.5 Identify problems and issues and address in accordance with procedures
3. Determine specifications for a new or modified system	3.1 Identify needs that require new system or modifications to current system 3.2 Draft scope, specifications and outcomes required 3.3 Liaise with key stakeholders, vendors and technical experts to refine scope, specifications and outcomes for new or modified system 3.4 Facilitate agreement on final scope, specifications and outcomes
4. Develop system	4.1 Develop written project plan 4.2 Facilitate approvals and support for implementation of project 4.3 Facilitate ongoing consultation with stakeholders 4.4 Oversee implementation of development project 4.5 Manage trialling of modified system 4.6 Ensure modified system meets organisational requirements 4.7 Take or initiate action to address skills and/or other development needs to support system

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret information and control needs and technical specifications

- Writing skills to convey technical specifications, project plan
- Oral communication skills to consult with stakeholders, facilitate agreement
- Numeracy skills to determine and monitor data and information needs.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Release 1. Supersedes and is equivalent to MSS405063 Develop the application of enterprise control systems in an organisation.

Links

Companion Volume Implementation Guides are found in VETNet – -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5b04f318-804f-4dc0-9463-c3fb9a3fe998>

Assessment Requirements for MSS405065 Develop the application of enterprise control systems in an organisation

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- determine information and control needs for at least one organisation and compare to existing enterprise control system
- develop project plan and oversee implementation of new or significantly modified enterprise control system based on identified needs.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- capability of integrated enterprise IT systems to support at least two (2) of the following areas:
 - business planning and/or decision making
 - automation and/or scheduling
 - resource planning
 - supply chain management
 - SCADA systems
- information and control needs of organisation and processes
- impact of developments in digital transformation on organisation's information and control needs
- project management principles relevant to developing the project plan
- mechanisms to support skills and/or other development needs
- techniques to facilitate communications across levels and areas of the organisation.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources
- modelling of industry operating conditions, including:

- functioning enterprise control system.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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