



**Australian Government**

# **UEECS0026 Plan industrial computer systems projects**

**Release: 1**

# UEECS0026 Plan industrial computer systems projects

## Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

## Application

This unit involves the skills and knowledge required to plan industrial computer systems projects.

The unit includes establishing budgets; conducting critical path analysis; developing workflow strategies; and documenting, presenting and negotiating budgets.

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

## Pre-requisite Unit

Not applicable

## Competency Field

Computer Systems

## Unit Sector

Electrotechnology

## Elements and Performance Criteria

### ELEMENTS

Elements describe the essential outcomes.

#### 1 Prepare to plan project

### PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1 Work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace procedures for a given work area are identified, obtained and applied
- 1.2 Project planning techniques are reviewed and implemented in accordance with workplace procedures

|                                           |            |                                                                                                                                                          |
|-------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                           | <b>1.3</b> | Scope of the project is determined from design brief, specifications and/or relevant documentation and discussions with relevant person/s                |
| <b>2 Develop project plan proposal</b>    | <b>2.1</b> | Estimated plant, material, labour and relevant costs are sought and obtained from relevant person/s in accordance with workplace procedures              |
|                                           | <b>2.2</b> | Project budget is determined from estimated plant, material, labour and relevant costs in accordance with workplace procedures                           |
|                                           | <b>2.3</b> | Critical path analysis is applied to developing workflow strategies                                                                                      |
|                                           | <b>2.4</b> | Sources and availability of materials and human resources required for the project are determined in accordance with workplace procedures                |
|                                           | <b>2.5</b> | Risk management strategies are sought and obtained for incorporating into the project plan                                                               |
|                                           | <b>2.6</b> | Project plan is reviewed and adjusted to rectify any anomalies in accordance with design brief, specifications and workplace procedures                  |
|                                           | <b>2.7</b> | Project plan proposal is documented in accordance with workplace procedures                                                                              |
| <b>3 Obtain approval for project plan</b> | <b>3.1</b> | Project plan is presented and discussed with relevant person/s of authority                                                                              |
|                                           | <b>3.2</b> | Alterations to the project plan resulting from the presentation/discussion are negotiated with relevant person/s in accordance with workplace procedures |
|                                           | <b>3.3</b> | Final project plan is documented and approval obtained from relevant person/s                                                                            |

## Foundation Skills

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

## Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work

environment.

Non-essential conditions may be found in the UEE Electrotechnology Training Package Companion Volume Implementation Guide.

Planning of a computer system project must include at least all of the following features:

- redundancy
- scalability
- 100 users
- catering multiple operating systems.

## Unit Mapping Information

This unit replaces and is equivalent to UEENEED148A Plan industrial computer systems projects.

## Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>

# Assessment Requirements for UEECS0026 Plan industrial computer systems projects

## Modification History

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## Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions on at least two separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (WHS/OHS) requirements, including the use of risk control measures
- determining a project budget
- determining sources and availability of materials and human resources required for the project
- determining the scope of the project
- developing workflow strategies
- documenting project plan proposal
- negotiating alterations to the proposed project plan
- obtaining approval of the final plan
- obtaining plant, material, labour and relevant costs
- obtaining risk management strategies for incorporation
- preparing to plan project
- reviewing and adjusting project plan to rectify anomalies
- reviewing and implementing project planning techniques.

## Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- critical path analysis techniques
- factors influencing sequence and restraints of project activities
- purpose of project planning
- relevant manufacturer specifications
- relevant materials and human resources
- relevant plant, material, labour and relevant costs
- relevant project planning techniques

- relevant job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated requirements
- relevant workplace budget, instructions, policies and procedures
- relevant workplace documentation.

## Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in suitable workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated suitable workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, facilities and equipment currently used in industry
- resources that reflect current industry practices in relation to planning computer systems projects
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

## Links

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