



Australian Government

UEEIC0049 Manage instrumentation and control projects

Release: 1

UEEIC0049 Manage instrumentation and control 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 manage instrumentation and control projects.

It includes managing safety, budget variation, personnel, resources and critical path timelines; implementing project plan strategies; identifying measurable outcomes; managing conflict; monitoring procurement and completing documentation.

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

Pre-requisite Unit

UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

Competency Field

Instrumentation & Control

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Determine scope of instrumentation and control 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) processes and workplace procedures for a given work area are identified, obtained and applied
- 1.2 Project deliverables and budget are determined from project planning and/or relevant documentation and

- discussions with relevant person/s
- 1.3** Measurable outcomes are identified to evaluate project on completion from project planning and relevant documentation
 - 1.4** Plant, materials and skills required to meet project outcome are determined from project planning and relevant documentation
 - 1.5** Processes are developed to manage contract variations from discussions with relevant person/s in accordance with contractual agreement and workplace procedures
- 2 Manage project**
- 2.1** WHS/OHS requirements, workplace procedures and programs are implemented and monitored
 - 2.2** Achievement of project outcome is delegated to relevant person/s involved in project
 - 2.3** Risk events are identified and project plan strategies implemented to ensure standard of quality outcomes are achieved in accordance with WHS/OHS requirements and contractual agreement
 - 2.4** Procurement processes are monitored to ensure timely supply of plant and materials in accordance with workplace procedures and project plan
 - 2.5** Project progress is monitored in accordance with schedule, quality requirements and budget
 - 2.6** Conflict issues on worksite between stakeholders, clients and regulators are identified and managed in accordance with workplace procedures
 - 2.7** Variations are managed in accordance with workplace procedures and project plan
 - 2.8** Project records are maintained, progress reports written and forwarded to relevant person/s
- 3 Complete instrumentation and control project**
- 3.1** Project outcomes are reviewed in accordance with project scope, implemented risk strategies, contract variations, safety record and budget
 - 3.2** Project completion acceptance is sought from relevant person/s and handover documented in accordance with workplace procedure

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.

Unit Mapping Information

This unit replaces and is equivalent to UEENEEI134A Manage instrumentation and control 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 UEEIC0049 Manage instrumentation and control 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 and performance criteria on at least two separate occasions and include:

- adopting risk management strategies
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - using risk control measures
- completing project
- delegating achievement of project outcomes
- determining plant, materials and skills required to meet project outcomes
- determining project deliverables and budget
- developing processes manage contract variations
- identifying and managing conflicts
- identifying measurable outcomes
- maintaining records and submitting progress reports
- managing resources and variations
- monitoring procurement processes
- monitoring project progress in accordance with schedule, quality requirements and budget.

Knowledge Evidence

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

- relevant instrumentation and control project management, including:
 - communication management
 - control system industry sector customs and practices
 - customer/client relations
 - defining project parameters
 - financial management
 - human resource management

- physical resource management
- procurement management
- quality management
- risk management and contingencies
- time management
- relevant manufacturer specifications
- relevant job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated requirements
- relevant workplace documentation, including:
 - project records
 - contracts
- relevant workplace quality, instructions, policies and procedures.

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 managing instrumentation and control projects
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

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