



Australian Government

UEEEEC0015 Develop basic plans for integrating security systems

Release: 1

UEEEEC0015 Develop basic plans for integrating security systems

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 develop plans for integrating security systems.

It includes integrating security components to form a complete security system with up to 100 connected intrusion and access devices based on common security scenarios. It also includes applying common security scenarios and security network industry standards and protocols, selecting network topology and physical media, applying disaster recovery planning, conducting performance management and documenting work activities.

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

UEECD0019 Fabricate, assemble and dismantle utilities industry components

UEECD0020 Fix and secure electrotechnology equipment

UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications

UEEEEC0003 Assemble and set up basic security systems

UEEEEC0050 Program and commission commercial security systems

UEEEEC0048 Program and commission commercial access control security systems

UEEEEC0049 Program and commission commercial security closed-circuit television systems

UEEEEC0052 Program and test large security systems

Competency Field

Electronics and Communications

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

1 Prepare to develop integrated security system

- 1.1 Work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace procedures for a given work area are identified and applied
- 1.2 WHS/OHS risk control measures and workplace procedures are followed in preparation for work
- 1.3 Extent of the proposed integrated security system is determined from the system specification or in consultation with appropriate person/s
- 1.4 Development work is planned to meet scheduled timelines in consultation with other person/s involved on the worksite

2 Develop integrated security system plan

- 2.1 Security scenarios and security network industry standards and protocols, network topology, physical media and disaster planning are applied to security system plan
- 2.2 Alternative system arrangements are considered in accordance with job requirements and specifications
- 2.3 Safety, functional and budget considerations are incorporated in the security system plan
- 2.4 Security system draft plan is checked for compliance with job specifications and regulatory requirements
- 2.5 Security system plan is documented for submission to appropriate person/s for approval
- 2.6 Dealing with unplanned situations are discussed with appropriate persons in accordance with job specifications and requirements

3 Obtain approval for system plan

- 3.1 Security system design is forwarded to client representative and/or relevant person/s for approval
- 3.2 Requests for alterations to the security plan are negotiated with relevant person/s in accordance with workplace procedures

- 3.3 Final security system plan is documented and approval obtained from appropriate person/s
- 3.4 Quality of work is monitored in accordance with performance agreement and relevant industry standards

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.

Developing basic plans for integrating security systems must include at least the following:

- two integrated security systems with up to 100 connected intrusion and access devices

Unit Mapping Information

This unit replaces and is equivalent to UEENEEH157A Develop basic plans for integrating security systems.

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 UEEEC0015 Develop basic plans for integrating security systems

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 using of risk control measures
- applying sustainable energy principles and practices
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- developing outlines of alternative system plan
- developing the plan within safety and functional requirements and budget limitations
- documenting the security system plan effectively
- obtaining approval for final plan.

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:

- alternative access arrangement
- integration with other systems
- intrusion protection and monitoring options
- relevant job safety assessments or risk mitigation processes
- relevant manufacturer specifications
- relevant technologies
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace 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 suitable simulated 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, facilities, tools, equipment and personal protective equipment (PPE) currently used in industry
- resources that reflect current industry practices in relation to developing integrated security systems plans
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet - -

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