



Australian Government

**UEEIC0009 Develop an electrical
integrated system interface for access
through a touch screen**

Release: 1

UEEIC0009 Develop an electrical integrated system interface for access through a touch screen

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 an electrical integrated system interface for access through a touch screen.

It includes preparing and developing an integrated system touch screen interface. It also includes backing up, transferring and testing touch screen interface integrated system, working with customers to determine required control parameters, application of touch screen software components and embellishments, network connectivity, using diagnostic tools and documenting the developed systems.

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

Pre-requisite Unit

Where prerequisite pathways have been identified, all competencies in the Common Unit Group must have been completed plus all the competencies in one (1) of the identified Pathway Unit Group(s):

Electrical

Common Unit Group

ICTICT203 Operate application software packages

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

UEEIC0011 Develop electrical integrated systems

Electrotechnology Pathway Group

UEECD0025 Lay wiring/cabling and terminate accessories for extra-low voltage (ELV) circuits

Electrical Pathway Group

UEEEL0023 Terminate cables, cords and accessories for low voltage circuits

Competency Field

Instrumentation & Control

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to develop an integrated system touch screen interface

PERFORMANCE CRITERIA

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

- 1.1** Areas and controls accessed from touch screen are determined from integrated systems, database and customer requirements
- 1.2** Control parameters accessed from touch screen are determined from integrated systems database and confirmed with relevant person/s
- 1.3** Applied enhancements to touch screen are discussed and confirmed with relevant person/s
- 1.4** Touch screen and integrated system programming software incorporating project specifications are downloaded to compatible information technology
- 1.5** Programming tools are used and checked for quality assurance
- 1.6** Manufacturer instructions for installing and connecting touch screens are obtained and identified

2 Develop an integrated system touch screen interface

- 2.1** Hazards are identified, risks are assessed and control measures implemented
- 2.2** Touch screen is checked for compliance with manufacturer requirements, installed and connected
- 2.3** Touch screen interface is developed using current programming methods
- 2.4** Touch screen interface functions and enhancements are developed for compatibility with integrated system and

		customer requirements
	2.5	Network connectivity is implemented, as required, and web page content made available
3 Back up, transfer and test touch screen interface	3.1	Work health and safety (WHS)/occupational health and safety (OHS) work completion risk control measures and workplace procedures are followed
	3.2	Touch screen interface program is backed up and transferred to the touch screen following manufacturer instructions
	3.3	Touch screen tests are conducted to verify compatibility and compliance with the integrated system and customer requirements
	3.4	Anomalies are identified and corrected to comply with manufacturer and customer requirements
	3.5	As-programmed touch screen specifications are documented and given to relevant person/s in accordance with workplace procedures

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.

Manufacturer designated software must include at least the following:

- programming a touch screen for safe and effective operation
- creating and editing scenes, schedules and access control
- using templates to enhance a touch screen
- backing up and restoring program
- transferring the programmed access to touch screen in an integrated system

Unit Mapping Information

This unit replaces and is equivalent to UEENEEI142A Develop an electrical integrated system interface for access through a touch screen.

Links

Companion Volume implementation guides are found in VETNet - -

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