



Australian Government

UEEEEC0062 Set up and test residential video/audio equipment

Release: 1

UEEEEC0062 Set up and test residential video/audio equipment

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 set up and test residential video/audio equipment.

It includes preparing to set up audio/video equipment, setting up audio/video equipment, completing system set-up and reporting.

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

Electronics and Communications

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to set up audio/video equipment

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 relevant work area are identified, obtained and applied
- 1.2** Risk control measures and are applied in accordance with workplace procedures prior to commencing work

- 1.3** Risks/hazards are identified, assessed and reported to relevant person/s, and control measures implemented
 - 1.4** System details are obtained from purchase documentation or relevant person/s to determine scope of work
 - 1.5** Instructions for coordinating work with others is obtained from relevant person/s and applied
 - 1.6** Materials required for work are obtained and checked in accordance with workplace procedures
 - 1.7** Tools and testing devices required for work are obtained and checked for correct operation and safety
- 2 Set up audio/video equipment**
 - 2.1** Workplace risk control measures and workplace procedures are applied
 - 2.2** Need to test and measure live work is determined in accordance with WHS/OHS requirements and workplace procedures
 - 2.3** Circuits/components are isolated, where necessary, in accordance with WHS/OHS requirements and workplace procedures
 - 2.4** System components are unpacked, checked for damage and meet requirements for scope of work
 - 2.5** System components are placed for optimum performance within constraints imposed by the area and customer
 - 2.6** Systems components are connected in accordance with manufacturer instructions
 - 2.7** System functions are set to customer's requirements and tested for correct operation
 - 2.8** Unplanned events are reported to relevant person/s in accordance with workplace procedures
 - 2.9** System set-up is conducted efficiently without waste of materials, damage to apparatus, the surrounding environment or services applying sustainable energy practices
- 3 Complete system set-up**
 - 3.1** Workplace risk control measures and workplace

and report

procedures are applied

- 3.2** Work area is cleaned and made safe in accordance with workplace routines
- 3.3** System/component documentation is handed over to the customer
- 3.4** Relevant person/s is notified of work completion 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.

Setting up and testing residential audio/video equipment must include at least the following:

- an audio system consisting of at least two speakers, with two different audio sources and a preamplifier/power amplifier; or an integrated amplifier/tuner/player
- an audio/video system consisting of television receiver, 5-channel amplifier, five speakers and an audio/video player

Unit Mapping Information

This unit replaces and is equivalent to UEENEEH104A Set up and test residential video/audio equipment.

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 UEEEC0062 Set up and test residential video/audio equipment

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 risk identification, assessment, reporting and control requirements
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including the use of risk control measures
- applying sustainable energy principles and practices
- completing relevant documentation and handing over to the customer
- connecting components in accordance with manufacturer instructions
- coordinating work with relevant person/s
- dealing effectively with unplanned events
- determining live testing/measurement requirements
- identifying and accessing materials, tools, apparatus and testing devices
- isolating circuits/machines/system
- placing components for optimum performance within constraints imposed by the area and customer
- setting functional controls in accordance with customer's requirements
- testing functional operation
- unpacking and checking system components against purchase documents and manufacturer content list.

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:

- relevant manufacturer specifications
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated requirements
- relevant workplace documentation

- relevant workplace policies and procedures
- residential video/audio equipment, including:
 - audio and video component functional controls
 - audio and video component set-up
 - audio and video component testing
 - cable and conductor types, characteristics and installation
 - component connection options and arrangements
 - electronic cable and conductor termination methods
 - electronic safe working practices
 - types of audio and video components.

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 other simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- resources that reflect current industry practices in relation to setting up and testing residential audio/video equipment
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

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