



Australian Government

UEERA0007 Apply safety awareness and legal requirements for flammable refrigerants

Release: 1

UEERA0007 Apply safety awareness and legal requirements for flammable refrigerants

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 apply safety awareness and legislative requirements for Class A2, A2L and A3 flammable refrigerants.

It includes applying safety and relevant legislation to safely handle and store flammable refrigerants.

Dangerous goods and ozone protection, work health and safety (WHS)/occupational health and safety (OHS), and synthetic greenhouse gas management legislative requirements apply to this unit.

The skills and knowledge in this unit will be applied by those managing, supervising or working in or near a location that contains refrigeration or air conditioning equipment using flammable refrigerant. These could include managers, supervisors, maintenance staff, cleaners, employees and refrigeration and air conditioning technicians

Pre-requisite Unit

Not applicable

Competency Field

Refrigeration and air-conditioning

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.

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| 1 Prepare to work with flammable refrigerants | 1.1 WHS/OHS requirements, legislative requirements and workplace procedures for a given work area are identified, obtained and applied |
| | 1.2 Work area access permits are obtained from relevant person/s in accordance with workplace procedures |
| | 1.3 Preparations for electrical and non-electrical isolation to prevent hazards from loss of machine/system/process control are conducted in accordance with WHS/OHS and workplace procedures |
| | 1.4 Tools and equipment required for work are checked for safety and correct functionality in accordance with workplace procedures and relevant industry standards |
| 2 Apply safe working practices to flammable refrigerants | 2.1 WHS/OHS risk control measures, legislative requirements and workplace procedures for carrying out the work are followed |
| | 2.2 Workplace procedures for dealing with accidents, fires and emergencies are followed in accordance with WHS/OHS, legislative requirements and workplace procedures |
| 3 Follow workplace procedures for hazard identification and risk control of flammable refrigerants | 3.1 Hazards are identified and risk control measures implemented and monitored in consultation with relevant person/s |
| | 3.2 Hazards in the work area are recognised and reported to relevant person/s in accordance with workplace procedures |
| | 3.3 WHS/OHS records of incidents are completed in accordance with relevant industry standards and workplace procedures |
| | 3.4 Workplace instructions and training are followed in accordance 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.

Applying safety awareness and legal requirements for flammable refrigerants must include the following:

- class A2, A2L and A3 refrigerants
- safe handling, storage and transport of flammable refrigerant cylinders
- labelling requirement for flammable refrigerant cylinders and systems containing flammable refrigerant
- personal protective equipment (PPE) required for the safe handling of flammable refrigerant

Unit Mapping Information

This unit replaces and is equivalent to UEENEEJ174A Apply safety awareness and legal requirements for flammable refrigerants.

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 UEERA0007 Apply safety awareness and legal requirements for flammable refrigerants

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 (OHS) requirements, including using risk control measures
- applying safe working practices to safely handle and store flammable refrigerant cylinders
- applying work procedures and instructions as they apply to risk control measures
- dealing with accidents and emergencies within the scope of responsibility
- dealing with unplanned events
- following workplace procedures for hazard identification and risk control of flammable refrigerants
- participating in consultation processes, identifying hazards and implementing and monitoring control measures
- preparing to enter the workplace, including using work permits and clearances and isolation permissions
- preparing to work with flammable refrigerants.

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:

- emergency procedures and incident management requirements and procedures
- first aid
- problem-solving techniques
- refrigerant disposal requirements
- relevant acts, regulations, code of practice and industry standard requirements
- relevant cylinders and storage requirements
- relevant environmental issues
- relevant flammable refrigerant types and applications
- 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
- types of Class A2, A2L and A3 flammable refrigerants.

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

Links

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