



Australian Government

Department of Education, Employment and Workplace Relations

TLIL4079A Manage the recovery process

Release: 1

TLIL4079A Manage the recovery process

Modification History

Not applicable.

Unit Descriptor

This unit involves the skills and knowledge required to participate in an emergency response in the event of a dangerous goods incident.

Licensing, legislative, regulatory and certification requirements are applicable to this unit.

Application of the Unit

This unit applies to those working in the heavy recovery industry. It does not include salvage operations.

Licensing/Regulatory Information

Refer to Unit Descriptor.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

ELEMENT PERFORMANCE CRITERIA

1 Prepare and respond to incident	1.1 Equipment is checked, serviced and confirmed as being operationally ready for use 1.2 Incident and task information is obtained and assessed for the type of recovery 1.3 Personal protective equipment (PPE) is selected relevant to the nature of the recovery operation 1.4 Any further details of the nature of the incident are received en route 1.5 Briefings are participated in and assessed to ensure issues and objectives are identified
2 Conduct job safety analysis	2.1 Operation and task information is obtained through command structure at the incident site 2.2 Scene reconnaissance is promptly conducted and results are reported 2.3 Hazards and environmental conditions are assessed and minimised or controlled 2.4 Communication with others is maintained using appropriate techniques and terminology 2.5 Health, safety and security procedures are followed in accordance with organisational policy and relevant legislation 2.6 Personal capabilities and limitations are recognised and referred to supervisor 2.7 Need for additional personnel and/or specialist equipment is reported to supervisor

- 3 Develop a recovery plan**
- 3.1 Extent of operational area and objectives are identified
 - 3.2 Recovery strategies are identified and assessed as appropriate to type and scale of incident
 - 3.3 Risk assessment of hazards is undertaken and precautions to be observed are proposed
 - 3.4 Electrical and other utilities are assessed to ensure they are rendered safe and identified hazards are mitigated
 - 3.5 Building risks are assessed to ensure they are identified, communicated to relevant personnel and mitigated where possible
 - 3.6 Environmental risks are identified and mitigated where possible
 - 3.7 Impact of recovery operations on the work and safety of others is identified
 - 3.8 Controls are selected to achieve objectives with minimum damage to people and the environment
- 4 Recover casualty vehicle**
- 4.1 Amount of working area required to work safely and complete recovery operation is determined
 - 4.2 Boundaries of the working area are established and secured
 - 4.3 Access to the casualty vehicle is gained using techniques and equipment in accordance with organisational procedures
 - 4.4 Recovery techniques are used to exercise control over the lift and descent of the casualty vehicle to minimise further damage
 - 4.5 Incident scene is constantly monitored for potential or developing risks to prevent injury to self and others and risk analysis is revised accordingly
 - 4.6 Contact is maintained at all times with other incident workers to keep them briefed on the recovery process and the incident controller is alerted to any issues
 - 4.7 Implementation of the recovery plan is monitored for effectiveness and adequacy
 - 4.8 Casualty vehicle is removed and extricated safely using recovery techniques and procedures
- 5 Conclude recovery operations**
- 5.1 Recovery vehicle and equipment are recovered, cleaned and serviced in accordance with organisational procedures and manufacturer's guidelines prior to standing down from the operation
 - 5.2 Operational documentation is completed in accordance with organisational procedures

5.3 Operational debrief is conducted and appropriate contributions are made

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level, required for this unit.

Required knowledge:

- Relevant road rules, regulations, permit and licence requirements of the relevant state and territory roads and traffic authority
- OH&S legislation
- Fatigue management regulations
- Job safety analysis
- Procedures for using communications systems effectively
- Workplace documentation
- Manufacturers' operational manuals
- Guidelines pertaining to incidents and hazards
- Methods relating to basic recovery calculations
- Methods of resistance and winch pull
- Capacities and weight load limit (WLL) of recovery equipment

Required skills:

- Work collaboratively with others when operating heavy recovery vehicle
- Implement contingency plans for unexpected events when performing a heavy vehicle recovery
- Apply precautions and required actions to minimise, control or eliminate hazards that may exist during the recovery process
- Monitor and anticipate traffic hazards and take appropriate action
- Modify activities depending on differing operational contingencies, risk situations and environments
- Work systematically with required attention to detail without injury to self or others, or damage to goods or equipment
- Operate and adapt to differences in equipment in accordance with standard operating procedures
- Select and use required PPE, conforming to industry and OH&S standards
- Service heavy recovery vehicle equipment in terms of maintenance schedule and standard operating procedures
- Demonstrate practical ability to use winch, chains and snatch blocks

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment section in Section B of the accreditation submission.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

- The evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria of this unit and include demonstration of:
 - using communication equipment in the recovery industry
 - correctly positioning vehicle at a recovery incident
 - using PPE as it applies to the recovery industry
 - identifying persons of authority and methods of communication as they apply to heavy vehicle recovery
 - performing a risk assessment of a hazard as it applies to the recovery task
 - identifying equipment requirements for a recovery task
 - securing site and work zones
 - recognising and having an understanding of appropriate licences and permits
 - fundamental understanding of resistance and line pull and effects on recovery operations
 - understanding of working load limits of chains, cables, slings and snatch blocks
 - understanding of the principle of levers and mechanical advantage
 - knowledge of failsafe systems on a heavy recovery vehicle
 - understanding of environmental issues as they apply to the recovery process
 - recognising and producing appropriate manufacturer's handbooks

Context of and specific resources for assessment

- Assessment must ensure access to:
 - tools, equipment and PPE currently used in the recovery industry
 - relevant regulatory and equipment documentation that impacts on work activities

Method of assessment

- Practical assessment must occur:

- through activities in an appropriately simulated environment consistent with current industry practice, and/or
- in an appropriate range of situations in the workplace
- Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended
- In all cases where practical assessment is used it will be combined with targeted questioning to assess required knowledge
- Assessment processes and techniques must be appropriate to the language and literacy capacity of the candidate and the work being performed
- Performance is demonstrated consistently over a period of time and in a range of contexts expected as part of the job function

Range Statement

RANGE STATEMENT

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

Equipment includes:

- uplift and recovery boom
- winches
- fire extinguishers
- hand tools
- socket sets
- shovels
- crow bars
- sledge hammers
- wood saws
- hacksaws
- hydraulic jacks
- forklifts
- road train dolly
- air bags and cushions
- catch equipment
- bog mats
- track mats
- pumps
- snatch blocks
- cribbing
- chains
- lifting slings and strops
- cutting equipment
- chain saws
- PPE

Depending on the type of organisation concerned and the local terminology used, workplace procedures may include:

- company procedures
- enterprise procedures
- organisational procedures
- established procedures
- regulatory procedures

Documentation and records may include:

- site inductions
- state and territory heavy vehicle driving licence or permit requirements
- state and territory road rules
- incident and hazard logs

Applicable procedures and codes may include:

- tow authority permit
- job safety analysis (JSA) and work method statements
- workplace driving instructions and procedures
- vehicle manufacturer's instructions, specifications and recommended driving procedures, including pre-operational checks of vehicle
- emergency procedures
- vehicle work diaries or record books
- relevant state and territory:
 - roads and traffic authority driving regulations and licence or permit requirements pertaining to operating heavy vehicles on unsealed roads
 - road rules
 - OH&S legislation
 - fatigue management regulations

Unit Sector(s)

Not applicable.

Competency Field

L – Resource Management