



Australian Government

RIIHAN308E Load and unload plant

Release: 1

RIIHAN308E Load and unload plant

Modification History

Release	Comment
1	This unit replaces RIIHAN308D Load and unload plant. Added performance criteria 2.7 securing plant and mapping table.

Application

This unit describes a participant's skills and knowledge required to load and unload plant in the Resources and Infrastructure Industries.

This unit is appropriate for those working in operational roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories and industry sectors. Relevant information must be sourced prior to application of the unit.

Elements and Performance Criteria

1. Plan and prepare to load and unload plant	1.1 Access, interpret and apply load handling documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and address potential risks, hazards and environmental issues, and implement control measures 1.4 Select and wear personal protective equipment appropriate for work activities 1.5 Identify, obtain and implement signage and barriers and ensure the loading/unloading site is made safe and isolated from general traffic flow
2. Load the plant	2.1 Confirm the dimensions and capacity of the float/trailer to safely carry the plant item 2.2 Select tools and loading equipment, check for serviceability/faults and rectify or report, verbally or in writing, prior to commencement 2.3 Confirm preparation of the plant for transportation has been completed 2.4 Place and secure loading aids

	2.5 Confirm loading procedure with operator and/or guide before loading commences 2.6 Move the plant item onto the trailer/float and halt at the designated position 2.7 Secure plant to trailer/float
3. Unload the plant	3.1 Confirm the unloading procedure with operator and/or guide before unloading commences 3.2 Place and secure unloading aids, including ramps, in accordance with the trailer/float specifications 3.3 Slacken securing devices and remove in a sequence which optimises safety 3.4 Move the plant item off the trailer/float and halt at the designated position 3.5 Stow loading aids including ramps, bridging materials and securing devices

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
RIIHAN308E Load and unload plant	RIIHAN308D Load and unload plant	Added Performance Criteria, securing plant	Equivalent

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>

Assessment Requirements for RIIHAN308E Load and unload plant

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Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies relevant documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of loading and unloading plant including:
 - applying operational safety
 - driving mobile plant
 - accessing, interpreting and applying technical information
 - calculating volume and weights
 - maintaining equipment records
 - applying fault finding techniques
 - complying with environmental requirements
 - disposing of environmentally sensitive fluids and materials
- works effectively with others to undertake and complete the loading and unloading plant that meets all of the required outcomes including:
 - complying with written and verbal reporting requirements and procedures
 - communicating clearly and concisely with others to receive and clarify work instructions
 - communicating clearly and concisely with others to resolve coordination requirements prior to commencing and during work activities
- demonstrates completion of loading and unloading plant that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - selecting, checking and using the required tools and equipment
 - placing and securing loading and unloading aids
 - moving the plant item onto and off the trailer/float
 - slackening securing devices and removing in a safe sequence

Knowledge Evidence

The candidate must demonstrate knowledge of the following when loading and unloading plant:

- National Standard for high risk work
- site and equipment safety requirements
- understanding of required hand signals
- techniques and processes for preparing plant for transportation
- basic motion and restraint theory related to heavy plant on floats or trailers
- basic centre of gravity and balance theory related to heavy plant on floats or trailers
- types, operation, uses and imitations of load securing equipment
- site isolation and traffic control responsibilities and authorities
- materials safety data sheet
- levelling techniques
- job safety analyses/safe work method statement

Assessment Conditions

- Assessors must satisfy the Standards for Registered Training Organisations (RTOs) 2015/AQTF mandatory competency requirements for assessors; and industry regulations for certification and licensing; and,
- this unit is best assessed in the context of this sector's work environment;
- where personal safety or environmental damage are limiting factors, assessment may occur in a simulated environment provided it is realistic and sufficiently rigorous to cover all aspects of this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills; and,
- this unit must be assessed in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- assessment may be conducted in conjunction with the assessment of other units of competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this unit of competency, and through the minimum years of current* work experience specified below in an industry sector relevant to the outcomes of the unit; or,
- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an industry subject matter expert. The industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the industry sector, including time spent in roles related to the unit being assessed; and,

- assessor and industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or industry sector as follows:

Industry sector	AQF** Level	Required assessor or industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Construction	1	1 Year
	2	2 Years
Drilling, Coal Mining and Extractive (Quarrying)	3-6	3 Years
Metalliferous Mining and Civil Construction	3-6	5 Years
Other sectors	Where this unit is being assessed outside of the Resources and Infrastructure Sectors, assessor and/or industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and, where no industry standard is specified, should comply with any relevant regulation.	

*Assessors can demonstrate current work experience through employment within industry in a role relevant to the outcomes of the unit; or, for external assessors this can be demonstrated through exposure to industry by conducting frequent site assessments across various locations.

**Where a unit is being delivered outside of a qualification the first numeric character in the unit code should be considered to indicate the AQF level.

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