



Australian Government

RIIHAN308F Load and unload plant

Release: 1

RIIHAN308F Load and unload plant

Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0.

Application

This unit describes the skills and knowledge required to load and unload plant.

This unit applies to those working in site-based roles.

Prior to performing this activity, skills and knowledge should be developed for the individual plant. This can be achieved through completing the equivalent operator unit or being assisted by someone who has this knowledge. Refer to the Implementation Guide for further details.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories and industry sectors, and must be sourced from state jurisdictions prior to applying this unit.

Unit Sector

Coal mining

Extractive

Drilling

Metalliferous mining

Civil infrastructure

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare to load and unload plant	1.1 Access, interpret and apply load handling documentation to ensure work activity is compliant 1.2 Obtain, interpret, clarify and confirm work requirements 1.3 Identify hazards and environmental issues, assess the risks and implement control measures in line with workplace policies

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Select and wear personal protective equipment required for work activities 1.5 Obtain and display signage, and erect barriers to isolate the loading and unloading site from general traffic flow in line with safe work practices
2. Load the plant in line with established requirements	2.1 Confirm the dimensions and capacity of the float or trailer to safely carry the plant 2.2 Select tools and loading equipment in line with work requirements 2.3 Identify faults, and rectify or report prior to commencement of work, within scope of own responsibility and according to workplace procedures 2.4 Confirm preparation procedures of the plant for transportation has been completed 2.5 Place and secure loading aids in line with workplace procedures 2.6 Confirm the loading procedure with operator and/or guide before loading commences 2.7 Move the plant item onto the trailer or float and halt at the designated position as per workplace procedures 2.8 Secure plant to trailer or float in line with workplace procedures
3. Unload the plant in line with established requirements	3.1 Confirm the unloading procedure with operator and guide before unloading commences 3.2 Place and secure unloading aids, including ramps, in accordance with the trailer or float specifications 3.3 Slacken securing devices and remove according to workplace procedures 3.4 Move the plant item off the trailer or float and halt at the designated position 3.5 Stow loading aids including ramps, bridging materials and securing devices as per workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Skill	Description
Reading	Identifies and interprets relevant information from workplace procedures, documentation, legislation and regulations
Numeracy	Identifies and comprehends relevant mathematical information in relation to equipment operating capacities

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
RIIHAN308F Load and unload plant (Release 1)	RIIHAN308E Load and unload plant (Release 1)	Minor updates to all sections to reflect operator's role.	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 RIIHAN308F Load and unload plant

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements and performance criteria of this unit.

The candidate must demonstrate completion of loading and unloading plant that safely, effectively and efficiently follows workplace procedures to carry out work activity on at least two occasions, and include:

- displaying signage and erecting barriers to isolate work site
- calculating volume and weight of loads
- placing and securing loading and unloading aids
- moving plant onto and off trailer or float, halting at designated position
- securing plant to trailer or float
- slackening securing devices and removing in a safe sequence
- stowing loading aids

In the course of the above work, the candidate must also:

- select, check and use required loading tools and equipment
- select and wear personal protective equipment required for work activities
- apply safe work practices and identify and report potential hazards and environmental issues, and assess risks
- apply fault finding techniques
- locate and apply required documentation, policies and procedures
- meet written and verbal reporting requirements and procedures associated with loading and unloading plant
- apply operational safety
- maintain equipment records

Knowledge Evidence

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

Key policies, procedures and relevant standards for loading and unloading plant, including those relating to:

- National Standard for high risk work
- site and equipment safety
- techniques and processes for preparing plant for transportation
- environmental requirements
- work health safety
- chain of responsibility for loading and unloading of equipment

Key site information, including:

- understanding of required hand signals
- site isolation and traffic control responsibilities and authorities
- materials safety data sheet

Key factors affecting work activities described in performance evidence above, including

- 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 limitations of load securing equipment

Assessment Conditions

Mandatory conditions for assessment of this unit are stipulated below. The assessment must:

- include access to:
 - plant to load and unload
 - trailer or float
 - signage and barriers
 - loading aids and securing devices
 - personal protective equipment
- be conducted in a safe environment
- be assessed in context of this sector's work environment
- 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,
- confirm consistent performance can be applied in a range of relevant workplace circumstances.

Where personal safety or environmental damage are limiting factors, assessment may occur in a simulated work 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.

Assessor requirements

Assessors must be able to clearly demonstrate current and relevant industry knowledge and experience to satisfy the mandatory regulatory standards as set out in the Standards for Registered Training Organisations (RTOs) 2015/AQTF mandatory requirements for assessors current at the time of assessment and any relevant licensing and certification requirements.

This includes:

- vocational competencies at least to the level being delivered and assessed
- current industry skills directly relevant to the training and assessment being provided
- current knowledge and skills in vocational training and learning that informs their training and assessment
- formal relevant qualifications in training and assessment
- having knowledge of and/or experience using the latest techniques and processes
- possessing a high level of RII training product knowledge
- having an understanding and knowledge of legislation and regulation relevant to the industry and to employment and workplaces
- demonstrating the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and
- the minimum years of current** work experience after competency has been obtained as specified below in an industry sector relevant to the outcomes of the unit.

It is also acceptable for the appropriately qualified assessor to work with an industry expert to conduct assessment together and for the industry expert to be involved in the assessment judgement. The industry expert must hold the relevant vocational competencies and have current industry skills directly relevant to the training and assessment being provided, and must work alongside a trainer and/or assessor to conduct the assessment. This means the industry subject matter expert should hold the unit being assessed (or an equivalent unit) and must also demonstrate skills and knowledge from the minimum years of current work experience after competency has been obtained as specified below, including time spent in roles related to the unit being assessed.

Industry sector	AQF indicator level***	Required assessor or industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Infrastructure	1	1 Year
	2	2 Years
Drilling, Coal Mining, Extractive (Quarrying), Metalliferous Mining and Civil Infrastructure	3-6	3 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.
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*Guidance on simulated environments has been stipulated in the RII implementation guide located on VETNet.

**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 a minimum number of site assessments as determined by the relevant industry sector, across various locations.

*** While a Unit of Competency does not have an AQF level, where a unit is being delivered outside of a qualification the first numeric character in the unit code should be considered as the AQF indicator level for assessment purposes.

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