



Australian Government

RIIHAN213E Work effectively in the drilling industry

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Application

This unit describes the skills and knowledge required to work effectively in the drilling industry. It prepares individuals to perform tasks such as safe handling, practising general good housekeeping and checking, refuelling and driving vehicles.

It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories and Industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

Drilling

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. Plan and prepare for working in the drilling Industry	1.1 Obtain, interpret and confirm work requirements 1.2 Access, interpret and apply required drilling documentation and confirm work activity is compliant 1.3 Identify and minimise environmental issues and potential hazards, and assess and address risks within scope of own role and according to workplace procedures 1.4 Select and wear personal protective equipment required for work activities 1.5 Communicate with other personnel on site as required and confirm briefings and handover details are communicated and received as required

ELEMENT	PERFORMANCE CRITERIA
2. Perform safe manual handling	2.1 Assess load to be moved 2.2 Assess and plan stability of lift, transport route and lay down position according to safety and task requirements 2.3 Move load using manual handling techniques and aids and seek assistance where required
3. Routinely practice good housekeeping	3.1 Identify housekeeping requirements 3.2 Clean and tidy work area 3.3 Clean and store all tools and equipment according to workplace requirements 3.4 Identify and report potential hazards from poor housekeeping 3.5 Identify areas of improvement for housekeeping and escalate as required 3.6 Report equipment problems verbally or in writing
4. Complete prestart checks	4.1 Check plant, tools and equipment required to carry out tasks for faults and report or rectify within scope of own role and confirm ready for use 4.2 Check and top up fluids as required 4.3 Check all guards and safety devices are in place and serviceable 4.4 Confirm all personnel are clear or in a safe position before starting work activity 4.5 Complete required written records according to task requirements and workplace procedures
5. Complete plant and vehicle refuelling procedures	5.1 Enforce no-smoking zone before commencing refuelling 5.2 Select required fuel 5.3 Refuel engine as required 5.4 Clean up any spills and leave fuel storage area clean and tidy 5.5 Note remaining fuel supply and complete written records according to task requirements and workplace procedures
6. Prepare and operate vehicle	6.1 Check vehicle roadworthiness, load distribution and security before starting 6.2 Identify potential vehicle hazards during vehicle operation and load and implement hazard minimisation procedures 6.3 Plan trip that maximises safety and minimises cost 6.4 Drive vehicle in compliance with local conditions, road and site rules as required 6.5 Park and secure vehicle according to task requirements and workplace procedures 6.6 Change wheel as required

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Numeracy	Interprets numerical information relating to load height, weight loading, size and distribution
Oral Communication	Listens to short, explicit instructions for work procedures and asks questions to clarify and confirm
Reading	Identifies and interprets information from workplace procedures and documentation

Unit Mapping Information

Supersedes and is equivalent to RIIHAN213D Work effectively in the drilling industry.

Links

Companion Volume implementation guides is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>

Assessment Requirements for RIIHAN213E Work effectively in the drilling industry

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- undertake the following tasks in the drilling industry on at least two occasions:
 - performing manual handling
 - completing prestart checks
 - refuelling vehicles and plant
 - driving, parking and securing vehicle
 - changing a wheel.

During the above, the candidate must:

- locate and apply documentation required for working effectively in the drilling industry
- implement the requirements, procedures and techniques completing work effectively in the drilling industry, including:
 - planning and preparing for manual handling
 - identifying hazards
 - reporting equipment problems
- work effectively with others to undertake and complete work in the drilling industry that meets required outcomes, including:
 - using a range of communication techniques and equipment to convey information to others
 - communicating hazards and determining elimination or control of hazards
 - organising work activities to meet task requirements.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- key policies, procedures and established requirements for working effectively in the drilling industry, including those for:
 - hazard identification when driving and refuelling
 - work health and safety
 - emergencies
 - prestart checks
 - road and site driving rules
 - parking, securing and refuelling vehicles
 - communicating with other personnel throughout work activities
 - housekeeping
- jacking and wheel changing techniques
- manual handling techniques
- drilling industry team roles and objectives.

Assessment Conditions

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

- include access to:
 - personal protective equipment
 - vehicle suitable for the tasks outlined in the elements, performance criteria and assessment requirements of this unit
- be conducted in a safe environment; and,
- be assessed in the context of this sector's work environment; and,
- be assessed in compliance with relevant legislation/regulation and using policies, procedures and processes 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/Australian Quality Training Framework 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 the required level of RII training product knowledge
- having an understanding and knowledge of legislation and regulations relevant to the industry and to employment and workplaces
- demonstrating the performance evidence, and knowledge evidence 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 have current industry skills directly relevant to the training and assessment being provided. This means the industry subject matter expert must 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.	

*Guidance on simulated environments has been stipulated in the RII Companion Volume 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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