



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **RIIHAN213A Work effectively in the drilling industry**

**Release: 1**

## RIIHAN213A Work effectively in the drilling industry

### Modification History

Not applicable.

### Unit Descriptor

This unit covers working effectively in the drilling industry. It includes following safe manual handling procedures, routinely practicing good housekeeping, completing pre-start checks and refuelling vehicles and plant and driving vehicles. The work required in this unit relates to the National Occupational Health and Safety Certification Standards for Users and Operators of Industrial Equipment (NOHSC: 1006).

### Application of the Unit

This unit is appropriate for those assisting with a variety of tasks within:

- Drilling

### 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 performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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## Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Follow safe manual handling procedures	1.1. Access, interpret and apply <b>compliance documentation</b> relevant to the work activity 1.2. Assess load to be moved 1.3. Plan lift transport route and lay down position for stability 1.4. Use necessary <b>manual handling aids</b> safely and efficiently and seek assistance where required
2. Routinely practice good housekeeping	2.1. Keep all relevant <b>housekeeping areas</b> clean, neat and tidy 2.2. Keep all tools and equipment clean and stored in the correct place when not in use 2.3. Identify possible hazards from poor housekeeping 2.4. Implement good housekeeping practice 2.5. Report equipment problems
3. Complete pre-start checks	3.1. Walk around plant/equipment/vehicle checking all items are serviceable and in good condition and complete documentation as required by company procedures 3.2. Check and top up fluids as required 3.3. Check all guards and safety devices are in place and serviceable 3.4. Ensure all personnel are clear or in a safe position before starting 3.5. Complete required records and reporting
4. Refuel vehicles and plant	4.1. Enforce no-smoking zone while <b>refuelling</b> 4.2. Select correct fuel 4.3. Refuel engine in accordance with company/site procedures 4.4. Clean up any spills 4.5. Leave fuel storage area clean and tidy 4.6. Note remaining fuel supply and complete required records/reporting
5. Drive vehicle	5.1. Check <b>vehicle</b> roadworthiness and load distribution and security before commencing 5.2. Identify <b>potential vehicle hazards</b> from

	<p>road trip/load and implement relevant hazard minimisation procedures</p> <p>5.3. Plan trip to maximise safety and minimise cost</p> <p>5.4. Drive vehicle in compliance with local conditions and road/site rule</p> <p>5.5. Change wheel as required</p>
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## Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

### Required skills

Specific skills are required to achieve the performance criteria in this unit, particularly for the application in the various circumstances in which this unit may be applied. This includes the ability to carry out the following as required to work effectively in the drilling industry:

- apply legislative, organisation and site requirements and procedures for working effectively in the drilling industry
- apply skills for safe lifting
- demonstrate literacy skills to complete required reporting
- demonstrate basic mathematical skills to make calculations relating to linear measurements, volumes weights and distances

### Required knowledge

Specific knowledge is required to achieve the Performance Criteria of this unit, particularly its application in a variety of circumstances in which the unit may be used. This includes knowledge of the following as required to work effectively in the drilling industry:

- housekeeping standards and the contribution of housekeeping to safety and efficiency
- pre-start check procedures
- driving hazards
- fuels and fuelling hazards
- jacking and wheel changing hazards and techniques
- manual handling techniques

## Evidence Guide

<p>The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.</p>	
<p><b>Overview of assessment</b></p>	
<p><b>Critical aspects for assessment and evidence required to demonstrate competency in this unit</b></p>	<p>The evidence required to demonstrate competency in this unit must be relevant to worksite operations and satisfy all of the requirements of the performance criteria, required skills and knowledge and the range statement of this unit and include evidence of the following:</p> <ul style="list-style-type: none"> <li>• knowledge of the requirements, procedures and instructions for working safely in the drilling industry</li> <li>• implementation of requirements, procedures and techniques for the safe, effective and efficient completion of housekeeping, pre-start checks, vehicle refuelling and driving vehicles</li> <li>• working with others to undertake and complete the housekeeping and OHS procedures that meet all of the required outcomes</li> <li>• consistent timely completion of OHS procedures, housekeeping, pre-start checks, refuelling and driving vehicles that safely, effectively and efficiently meet the required outcomes</li> <li>• appropriate licence/s for vehicles</li> </ul>
<p><b>Context of and specific resources for assessment</b></p>	<ul style="list-style-type: none"> <li>• This unit must be assessed in the context of the 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 workplace performance, including task skills, task management skills, contingency management skills and job role environment skills.</li> <li>• Evidence for assessment is best gathered using the outcomes of products and processes in the workplace.</li> <li>• The assessment environment should not disadvantage the participant. For example, language, literacy and numeracy demands of assessment should not be greater than those</li> </ul>

	<p>required on the job.</p> <ul style="list-style-type: none"> <li>• Customisation of assessment and delivery environment should sensitively accommodate cultural diversity.</li> <li>• Aboriginal people and other people from a non English speaking background may have second language issues.</li> <li>• Assessment of this competency requires typical resources normally used in a resources and infrastructure sector environment. Selection and use of resources for particular worksites may differ due to the site circumstances.</li> <li>• Where applicable, physical resources should include equipment modified for people with disabilities. Access must be provided to appropriate learning and/or assessment support when required.</li> </ul>
<b>Method of assessment</b>	<p>This unit may be assessed in a holistic way with other units of competency. The assessment strategy for this unit must verify required knowledge and skill and practical application using more than one of the following assessment methods:</p> <ul style="list-style-type: none"> <li>• written and/or oral assessment of the candidate's required knowledge</li> <li>• observed, documented and/or first hand testimonial evidence of the candidate's: <ul style="list-style-type: none"> <li>• implementation of appropriate requirements, procedures and techniques for the safe, effective and efficient achievement of required outcomes</li> <li>• consistently achieving the required outcomes</li> </ul> </li> <li>• first hand testimonial evidence of the candidate's: <ul style="list-style-type: none"> <li>• working with others to undertake and complete working effectively in the drilling industry</li> </ul> </li> </ul>
<b>Guidance information for assessment</b>	<p>Consult the SkillsDMC User Guide for further information on assessment including access and equity issues.</p>

## Range Statement

<p>The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. <b>Bold italicised</b> wording, if used in the performance criteria, is detailed below. 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) may also be included.</p>	
<p><b>Compliance documentation</b> may include:</p>	<ul style="list-style-type: none"> <li>• legislative, organisation and site requirements and procedures</li> <li>• manufacturer's guidelines and specifications</li> <li>• Australian standards</li> <li>• Employment and workplace relations legislation</li> <li>• Equal Employment Opportunity and Disability Discrimination legislation</li> </ul>
<p><b>Manual handling aids</b> may include:</p>	<ul style="list-style-type: none"> <li>• truck mounted cranes (e.g. HIAB)</li> <li>• overhead cranes</li> <li>• jib cranes</li> <li>• fork lift trucks</li> <li>• integrated tool carrier (IT)</li> </ul>
<p><b>Housekeeping areas</b> may include:</p>	<ul style="list-style-type: none"> <li>• rig and environs</li> <li>• fuel dumps</li> <li>• chemical storage</li> <li>• camp environs</li> <li>• lay down and storage areas</li> <li>• workshop, store, yard</li> <li>• vehicles</li> <li>• crib rooms</li> <li>• offices</li> <li>• ablution facilities</li> </ul>
<p><b>Refuelling</b> may include:</p>	<ul style="list-style-type: none"> <li>• diesel/petrol</li> <li>• bowser/drum</li> <li>• fire hazards - smoking, mobile phones, hot equipment</li> </ul>
<p><b>Vehicles</b> may include:</p>	<ul style="list-style-type: none"> <li>• two/all wheel drive</li> <li>• heavy rigid trucks</li> <li>• articulated vehicles</li> <li>• tracked vehicles</li> </ul>
<p><b>Potential vehicle hazards</b> may include:</p>	<ul style="list-style-type: none"> <li>• hazardous driving conditions</li> <li>• jacking on uneven/uncompacted ground</li> <li>• different wheel types</li> </ul>

## **Unit Sector(s)**

Load Handling

## **Competency field**

Refer to Unit Sector(s).

## **Co-requisite units**

Not applicable.