



Australian Government

Department of Education, Employment and Workplace Relations

RIIMPO329A Conduct dragline operations

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit covers the conducting of dragline operations in resources and infrastructure industries. It includes: planning and preparing for operations; relocating burden and materials; relocating the dragline; and carrying out operator maintenance.

Application of the Unit

This unit is appropriate for those working in mobile plant operator roles, at worksites within:

- Civil construction
- Coal mining
- Extractive industries

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. Plan and prepare for operations	1.1. Access, interpret and apply compliance documentation relevant to conducting of dragline operations 1.2. Obtain, interpret and clarify/confirm work requirements in the form of shift briefings, handover details or work orders before proceeding 1.3. Access, interpret and apply geological and survey data required to complete allocated work 1.4. Access and apply safety information and procedures throughout work
2. Relocate burden and materials	2.1. Resolve coordination activities with others at the site prior to commencement of, and during the work activity 2.2. Conduct pre-start, start-up, park-up and shutdown procedures 2.3. Operate controls to position, fill and dump burden or other material as part of the dig sequence and specified tasks 2.4. Act on or report monitoring systems and alarms 2.5. Recognise and respond to hazardous and emergency situations 2.6. Complete work in accordance with agreed plan and outcomes and within the operating capacities of the allocated equipment
3. Relocate dragline	3.1. Receive and confirm route and location plan and if necessary check by site inspection 3.2. Complete ground preparation 3.3. Locate and handle cables 3.4. Coordinate use of support equipment and personnel 3.5. Walk dragline
4. Carry out operator maintenance	4.1. Conduct inspections and fault-finding 4.2. Conduct authorised routine operational servicing, lubrication and housekeeping tasks 4.3. Conduct authorised minor maintenance

	4.4. Provide authorised operator support during preparation for, and conduct of, major maintenance tasks 4.5. Process records
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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 conduct dragline operations:

- apply legislative, organisation and site requirements and procedures
- apply operational safety requirements
- access, interpret and apply technical information
- apply hand-eye coordination
- work wearing noise protection equipment
- apply diagnostic techniques
- use relevant hand tools
- apply equipment records maintenance requirements
- apply procedures required for disposal of environmentally sensitive fluids and materials
- apply chemical and fuel safety measures

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 conduct dragline operations:

- site and equipment safety procedures
- site mining systems and procedures
- dragline and associated equipment characteristics, technical capabilities and limitations
- dragline maintenance systems and procedures
- site geological and survey data
- hazard identification and response procedures
- site environmental requirements and constraints related to dragline operations
- working at heights
- working in confined spaces

Evidence Guide

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.

Overview of assessment	
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 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: • knowledge of the requirements, procedures and instructions for conducting dragline operations • implementation of requirements, procedures and techniques for the safe, effective and efficient completion of dragline operations • working with others to undertake and complete dragline operations that meet all of the required outcomes • consistent timely completion of dragline operations that safely, effectively and efficiently meet the required outcomes
Context of and specific resources for assessment	• 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. • The assessment environment should not disadvantage the participant. For example, language, literacy and numeracy demands of assessment should not be greater than those required on the job. • Customisation of assessment and delivery environment to sensitively accommodate cultural diversity. • Aboriginal people and other people from a non English speaking background may have second language issues.

	• Assessment of this competency requires typical resources normally used in the work environment. Selection and use of resources for particular worksites may differ due to site circumstances. • 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.
Method of assessment	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: • written and/or oral assessment of the candidate's required knowledge • observed, documented and/or first hand testimonial evidence of the candidate's: • implementation of appropriate requirement, procedures and techniques for the safe, effective and efficient achievement of required outcomes • consistently achieving the required outcomes • first hand testimonial evidence of the candidate's: • working with others to undertake and complete the dragline operations
Guidance information for assessment	Consult the SkillsDMC User Guide for further information on assessment including access and equity issues.

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. Bold italicised 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.

Relevant compliance documentation may include:	• legislative, organisation and site requirements and procedures • manufacturer's guidelines and specifications • Australian standards • codes of practice • Employment and workplace relations legislation • Equal Employment Opportunity and Disability Discrimination legislation
Draglines include:	• a broad range of equipment capacities and they may be electric drive, hydraulic or diesel powered
Work requirements may include:	• information on operations and mining conditions • site lighting conditions • dig sequence • defects on equipment • hazards • output targets • coordination requirements/issues
Safety information and procedures may be contained in:	• legislation and regulations • relevant Australian standards • management plans • OHS policy • code of practice • manufacturer's instructions • safe working procedures (or equivalent)
Specific safety requirements are to include:	• boarding and disembarking procedures • limit testing requirements • operational signal procedures
Dig sequence may include:	• set up requirements • manoeuvre • operational information • soil placement

	• movement to main • dump to final spoil
Specified tasks may include:	• key cut • main dig • chop • placement of primary spoil • rehandling of spoil placement • bridge building • other site-specific activities
Monitoring systems and alarms are:	• those which indicate vital signs and out of specification activities/operations
Hazardous and emergency situations may include:	• sinking • bridge failure • spoil stabilisation • wet weather operation • electrical shutdown or site equivalent
Coordination requirements may include those with:	• dozers • cable reelers • graders • bobcats • winches • cranes • tractors • other vehicles

Unit Sector(s)

Mobile Plant Operations

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.