



Australian Government

Department of Education, Employment and Workplace Relations

RIISAM213A Position and set up mobile lighting

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit covers the positioning and setting up of mobile lighting in resources and infrastructure industries. It includes: preparing for mobile lighting; and positioning and activating lighting.

Application of the Unit

This unit is appropriate for those working in operational or maintenance roles, at worksites within:

- Civil construction
- Coal mining
- Drilling
- Extractive industries
- Metalliferous mining

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

<p>Elements describe the essential outcomes of a unit of competency.</p>	<p>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.</p>
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for mobile lighting	1.1. Access, interpret and apply <i>compliance documentation</i> relevant to the positioning and setting up of mobile lighting 1.2. Receive, interpret and clarify shift changeover details 1.3. Select appropriate type of equipment and/or attachments according to job specifications and to maximise efficiency and effectiveness of work activities 1.4. Identify, address and report <i>potential hazards and risks</i> 1.5. Select personal protective equipment appropriate for work activities 1.6. Conduct equipment pre-start checks to ensure equipment is ready for operation 1.7. Secure all equipment in preparation for towing in accordance with site procedures 1.8. Identify, address and report <i>environmental issues</i> 1.9. Communicate with other personnel using approved communication methods 1.10. Adhere to emergency procedures to ensure safety of personnel, plant and equipment
2. Position and activate lighting	2.1. Isolate area using <i>physical barricades and signage</i> 2.2. Position lighting to suit work activities and <i>site conditions</i> 2.3. Test lights according to schedule, to include start-up and shutdown procedures 2.4. Activate lights according to schedule 2.5. Enhance visibility of site according to the position of the lighting 2.6. Reassess risk to ensure enhanced illumination does not adversely affect safety of persons in the area

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 position and set up mobile lighting:

- apply legislative, organisation and site requirements and procedures
- apply diagnostic techniques
- apply hazard identification procedures
- apply record maintenance requirements
- organise work tasks
- apply defect reporting procedures
- apply safe work practices
- work in a team

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 position and set up mobile lighting:

- construction procedures
- emergency procedures
- environmental and heritage procedures
- equipment processes, technical capability and limitations
- equipment safety requirements
- hazardous goods procedures and consequences of spills
- isolation procedures
- lighting safety issues
- operational procedures and checks
- shutdown procedures
- start-up procedures
- towing procedures
- water and electricity hazards

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>Overview of assessment</p>	
<p>Critical aspects for assessment and evidence required to demonstrate competency in this unit</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"> • knowledge of the requirements, procedures and instructions for the positioning and setting up of mobile lighting • implementation of requirements, procedures and techniques for the safe, effective and efficient positioning and setting up mobile lighting • working with others to position and set up of mobile lighting that meets all of the required outcomes • consistent timely positioning and setting up of mobile lighting that safely, effectively and efficiently meets the required outcomes
<p>Context of and specific resources for assessment</p>	<ul style="list-style-type: none"> • 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

	<p>language issues.</p> <ul style="list-style-type: none"> • 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	<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"> • written and/or oral assessment of the candidate's required knowledge • observed, documented and/or first hand testimonial evidence of the candidate's: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • working with others to position and set up of mobile lighting
Guidance information for assessment	<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. 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.</p>	
<p>Relevant compliance documentation may include:</p>	<ul style="list-style-type: none"> • legislative, organisation and site requirements and procedures • manufacturer's guidelines and specifications • Australian standards • code of practice • Employment and workplace relations legislation • Equal Employment Opportunity and Disability Discrimination legislation
<p>Potential hazards and risks may include:</p>	<ul style="list-style-type: none"> • abandoned equipment • adjoining pit walls • adverse weather conditions (electrical storms, floods, fires) water, traffic • chemicals • contaminants • equipment • fences • holes • materials • over-hanging rocks • personnel • pot holes • unsafe ground • unstable faces • vehicles
<p>Environmental issues may include:</p>	<ul style="list-style-type: none"> • culturally-sensitive sights and artefacts • drainage • dust • emissions • flora and fauna • hazardous chemicals • heritage legislation • noise • runoff • spills

	<ul style="list-style-type: none"> • water quality
Physical barricades may include:	<ul style="list-style-type: none"> • flagged fencing • windrow (bund) • wire fence
Signage may include:	<ul style="list-style-type: none"> • safety • type of site • access requirements • speed
Site conditions may include:	<ul style="list-style-type: none"> • broken ground • day and night • degree of compaction • location of water table • slope of working surface • stable ground (compaction) amount of scale • wet and dry • working over old underground workings and voids

Unit Sector(s)

Service and Maintenance

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.