



**Australian Government**

# **RIIHAN207D Operate personnel and materials hoists**

**Release: 3**

## RIIHAN207D Operate personnel and materials hoists

### Modification History

| Release | Comment                                                                                                                                                                                                                                                                                                             |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | This unit replaces RIIHAN207A Operate personnel and materials hoists.                                                                                                                                                                                                                                               |
| 2       | Amend reference to Licensing requirements in Unit Application Editorial corrections.                                                                                                                                                                                                                                |
| 3       | Required frequency and volume of evidence amended in Performance evidence.<br><br>Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm. |

### Application

This unit describes a participant's skills and knowledge required to operate personnel and materials hoists in the Resources and Infrastructure Industries.

This unit is appropriate for those working in operational roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and Industry sectors. Relevant information must be sourced prior to application of the unit.

### Elements and Performance Criteria

|                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Plan and prepare to operate personnel and materials hoists | <p>1.1 Access, interpret and apply load handling documentation and ensure the work activity is compliant</p> <p>1.2 Obtain, read, interpret clarify and confirm work instructions including shift changeover details, quality requirements, plans and specifications</p> <p>1.3 Select and wear personal protective equipment appropriate for work activities</p> <p>1.4 Arrange signals and communication with other workers including barricade requirements</p> <p>1.5 Identify, address and report potential hazards and environmental issues and implement control measures</p> |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                      | <p>1.6 Identify materials, equipment and tools required to complete work, check for serviceability, and report faults</p> <p>1.7 Conduct equipment pre-start checks</p>                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 2. Prepare personnel/material hoist  | <p>2.1 Inspect personnel cage/platform structure and SWL plate</p> <p>2.2 Assess weather conditions for safe hoist operation</p> <p>2.3 Conduct test run through full height of travel without a load, check mast and wall bolting</p> <p>2.4 Check all safety systems including braking system</p> <p>2.5 Ensure that attachment is lowered to ground safely and does not crush feet of personnel</p> <p>2.6 Check personnel's lanyards/harnesses and anchors comply with relevant Australian standards and are securely fitted to railing/anchor points and personnel harness attachment points</p> |
| 3. Operate personnel/material hoist  | <p>3.1 Lift personnel cage/platform and test all equipment in a range positions, operating controls smoothly and carefully, considering working clearances and potential crushing risks to workers</p> <p>3.2 Travel personnel cage/platform as low as possible and operating in low gear and low speed, ensuring maximum stability at all times</p> <p>3.3 Remain seated at controls whenever workers are on/in attachment and in the raised position</p> <p>3.4 Communicate with personnel cage/platform using recommended signals</p>                                                              |
| 4. Perform post-operation activities | <p>4.1 Empty and park attachment in designated area</p> <p>4.2 Clean, remove, inspect and store attachments and equipment correctly</p> <p>4.3 Clean and leave attachment parked on level, secure, and safe position</p> <p>4.4 Report location and state/condition of personnel cage/platform before going off shift</p> <p>4.5 Complete all required written records and documents</p>                                                                                                                                                                                                              |

## Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

## Unit Mapping Information

RIIHAN207A Operate personnel and materials hoists

## 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 RIIHAN207D Operate personnel and materials hoists

## Modification History

| Release | Comment                                                                                                                                                                                                                                                                                                             |
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| 2       | Amend reference to Licensing requirements in Unit Application Editorial corrections.                                                                                                                                                                                                                                |
| 3       | Required frequency and volume of evidence amended in Performance evidence.<br><br>Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm. |

## Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies applicable documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient operation of personnel and material hoists including:
  - keeping plant and equipment records
  - complying with environmental requirements
  - working at heights
  - applying isolation procedures
  - reading and appreciating ground conditions
  - conducting work area risk assessment techniques
- works effectively with others to undertake and complete the operation of personnel and material hoists that meet all of the required outcomes including:
  - using a range of communication systems and techniques to effectively coordinate and communicate information to others
  - considering working clearances and potential crushing risks to workers
  - reporting location and state/condition of personnel cage/platform

- demonstrates completion of operating personnel and material hoists that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
  - conducting test run through full height of travel without a load, check mast and wall bolting
  - checking all safety systems including braking system
  - checking personnel's lanyards/harnesses and anchors
  - lifting personnel cage/platform
  - testing all equipment in a range positions
  - operating controls smoothly and carefully
  - travel personnel cage/platform as low as possible and operating in low gear and low speed
  - ensuring maximum stability at all times

## Knowledge Evidence

The candidate must demonstrate knowledge of the following when operating personnel and materials hoists:

- communication procedures and hand signals
- workplace and equipment safety requirements
- plant, tools and equipment types, characteristics, uses and limitations
- hoist operation techniques
- personnel and material hoist equipment
- processes for the calculation of load mass requirements
- materials safety data sheet
- materials handling, storage and environmentally friendly waste management
- designs and functions of hoisting equipment
- signaling methods and communications
- fault finding and identification
- working at heights procedures
- emergency procedures (hoist specific)
- • JSA's/safe work method statements

## Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit is best assessed in the context of this sector's 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 this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills; and,

- this unit must 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,
- assessment may be conducted in conjunction with the assessment of other Units of Competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through the minimum years of current\* work experience specified below in an Industry sector relevant to the outcomes of the unit; or,
- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an Industry subject matter expert. The Industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An Industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the Industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and Industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or Industry Sector as follows:

| Industry sector                                                                            | AQF** Level                                                                                                                                                                                                                                                                                                                    | Required assessor or Industry subject matter expert experience |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Construction | 1                                                                                                                                                                                                                                                                                                                              | 1 Year                                                         |
|                                                                                            | 2                                                                                                                                                                                                                                                                                                                              | 2 Years                                                        |
| Drilling, Coal Mining and Extractive (Quarrying)                                           | 3-6                                                                                                                                                                                                                                                                                                                            | 3 Years                                                        |
| Metalliferous Mining and Civil Construction                                                | 3-6                                                                                                                                                                                                                                                                                                                            | 5 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. |                                                                |

\*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 frequent site assessments across various locations.

**\*\*Where a unit is being delivered outside of a Qualification the first numeric character in the Unit code should be considered to indicate the AQF level**

## **Links**

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