



Australian Government

RIIMPO337 Conduct articulated haul truck operations

RIIMPO337 Conduct articulated haul truck operations

Modification History

Release	Comments
1	This unit of competency was first released in RII Resources and Infrastructure Industry Training Package Release 11.0.

Application

This unit describes the skills and knowledge required to operate, load, haul and dump materials using an articulated haul truck.

This unit applies to those working in operational roles.

This unit applies to both front and rear dumping haul trucks.

Licensing/Regulatory Information

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite unit(s)

No pre-requisite units

Competency field(s)

N/A

Unit sector(s)

Civil infrastructure

Coal mining

Extractive

Metalliferous mining

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Required knowledge,</i>

	<i>skills and application should be considered and clearly articulated.</i>
1. Plan and prepare for articulated haul truck operations	1.1 Access, interpret and apply conducting articulated haul truck operations documentation 1.2 Confirm task requirements with site personnel 1.3 Identify and address potential risk and hazards associated with worksite and plant in accordance with work health and safety (WHS) requirements and worksite instructions 1.4 Verify that the relevant safety planning document, including safe work method statements (SWMS), job safety analyses (JSA) or equivalents, and safe operating procedures (SOP) or safe working instructions (SWI) hazard control measures are in place 1.5 Wear designated personal protective equipment (PPE) prescribed in site signage and SWMS/JSA after checking its serviceability 1.6 Confirm emergency procedures and be prepared for accidents and emergencies in accordance with worksite requirements 1.7 Check and confirm that machine servicing status is within the required service interval prior to commencing work, in accordance with WHS requirements and worksite or manufacturer instructions 1.8 Coordinate and communicate planned activities with others at the site prior to commencement of work activity in accordance with WHS requirements and worksite instructions
2. Conduct pre-operational checks	2.1 Conduct prestart and start-up checks and complete a walkaround in accordance with worksite requirements or manufacturer instructions 2.2 Check that fire suppression system is operational, where fitted, in accordance with WHS requirements and worksite or manufacturer instructions 2.3 Confirm safety equipment is present and within service dates in accordance with WHS requirements and manufacturer information 2.4 Test communication devices for correct operation in accordance with WHS requirements and worksite or manufacturer instructions 2.5 Report faults in accordance with WHS requirements and worksite or manufacturer instructions

	2.6 Check fuel, hydraulic, and coolant lines are secure, undamaged and free from contact with moving parts in accordance with manufacturer requirements
3. Operate articulated haul truck in line with established requirements	3.1 Control speed in accordance with site limits, road conditions, and load weight in accordance with WHS requirements and any applicable road rules 3.2 Steer smoothly and avoid excessive manoeuvring, particularly on slopes and uneven ground in accordance with WHS requirements and worksite or manufacturer instructions 3.3 Activate or monitor safety features to respond appropriately to site and ground conditions in accordance with WHS requirements and worksite or manufacturer instructions 3.4 Maintain safe distances and adjust operation for visibility and surface conditions 3.5 Respond to the machine's indications and alarms in accordance with manufacturer instructions 3.6 Remain aware of surroundings and respond appropriately to changing environmental, surface or operational conditions in accordance with WHS requirements and worksite instructions 3.7 Maintain communication with site personnel to remain aware of site activity and avoid collisions or traffic conflicts
4. Load, haul and dump materials to complete work activity	4.1 Position truck maintaining clear communication with others in accordance with WHS requirements and site loading procedures 4.2 Carry out haulage operations using designated haul routes while adjusting driving techniques to suit load and site conditions in accordance with WHS requirements and worksite instructions 4.3 Position truck in designated dump area using mirrors and spotters and/or other personnel (if allocated) to reverse safely in accordance with WHS requirements and worksite instructions 4.4 Tip and unload material safely in accordance with site procedures and instructions from site personnel, responding appropriately to machine alarms, indicators, and fault codes 4.5 Park up, shut down, secure and carry out post operational inspection of equipment in line with manufacturer requirements and site requirements
5. Conduct housekeeping activities	5.1 Complete post-operational checks and record or report faults or defects in line with worksite requirements

	5.2 Clear the work area and dispose of or recycle materials in accordance with worksite requirements 5.3 Clean or arrange for the truck to be cleaned in accordance with manufacturer or worksite requirements
--	--

Range of conditions

N/A

Assessment Requirements for RIIMPO337 Conduct articulated haul truck operations

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements and performance criteria of this unit.

The candidate must demonstrate completion of articulated haul truck operations that safely, effectively and efficiently follows workplace procedures to carry out work activity on at least **two** occasions, and include:

- conducting prestart checks prior to commencing operations and shutdown procedures on completion of operations
- driving and manoeuvring articulated haul vehicle, and adjusting techniques to suit work conditions
- operating articulated haul vehicle within equipment operating capacities
- positioning the articulated haul vehicle for loading of materials under at least **one** of the following types of loading equipment:
 - face shovel
 - wheel loaders
 - excavators
 - hopper bins
 - conveyor belts
- hauling materials to designated location/s i.e. Tip Head, Crusher pocket, Waste Dump
- positioning the haul truck for dumping of materials
- unloading materials from the rear of the vehicle in designated location and limiting spillage
- conducting vehicle shutdown and refuelling
- identifying and reporting issues with vehicle equipment.

In the course of the above work the candidate must also:

- obtain and apply SWMS/JSA and/or safe operating procedures
- wear designated site-specific personal protective equipment (PPE)
- refuel equipment in line with site requirements if required
- work in accordance with SWMS/JSA or safe operating procedures
- monitor and manage equipment performance using indicators and alarms
- inspect and prepare work area
- enter and exit the vehicle using three-points of contact

- use hand signals and/or audible warnings such as horns, and/or other required methods to support safe operations
- communicate effectively to convey information to others and coordinate work activities
- arrange work activities to meet task requirements
- work safely around other plant and personnel.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements and performance criteria of this unit. This includes:

- key policies, procedures, legislation and established requirements for articulated haul truck operation, including those relating to:
 - worksite traffic codes
 - fault identification and operational maintenance
 - hauling and loading
 - operational systems
 - work health and safety (WHS) standards relating to articulated haul truck operations
- key site information, including:
 - designated loading and unloading areas
 - stand-off zones and/or restricted areas
 - haul routes
 - high gradient slopes
 - survey-marked paths
- key factors affecting work activities described in performance evidence above:
 - articulated haul truck types, including front and rear dumping
 - technical capabilities and limitations
 - equipment safety requirements.

Assessment Conditions

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

- include access to:
 - an articulate haul truck
 - materials to be shifted
 - personal protective equipment (PPE)

- be conducted in a safe environment; and,
- be assessed in context of this sector's work environment; and,
- 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,
- confirm consistent performance can be applied in a range of relevant workplace circumstances.

Assessor Requirements

In addition to the requirements in applicable vocational education and training legislation, frameworks and/or standards, assessors and industry experts must also have a minimum of two (2) years industry experience, directly relevant to the training and assessment being provided.

Mandatory Workplace Requirements

Assessment of performance evidence may be in a workplace setting or an environment that accurately represents a real workplace.

Unit Mapping Information

Previous Code and Title	Equivalence	Comments
RIIMPO337E Conduct articulated haul truck operations	Equivalent	Supersedes and is equivalent.

Links

Companion volumes, including implementation guides, are found on the national training register - <https://training.gov.au/training/details/RII>.