



**Australian Government**

# **RIIMPO301E Conduct hydraulic excavator operations**

**Release: 1**

## RIIMPO301E Conduct hydraulic excavator operations

### Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0.

### Application

This unit describes the skills and knowledge required to conduct hydraulic excavator operations.

This unit applies to those working in site-based roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and industry sectors, and must be sourced from state jurisdictions prior to applying this unit.

### Unit Sector

Coal mining

Extractive

Metalliferous mining

### Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare for hydraulic excavator operations	1.1 Access, interpret and apply hydraulic excavator documentation 1.2 Obtain, interpret, clarify and confirm work requirements 1.3 Identify hazards and environmental issues, assess the risks and implement control measures in line with workplace policies 1.4 Select and wear personal protective equipment required for work activities 1.5 Access, interpret and clarify geological and survey data required to complete the allocated work 1.6 Inspect and prepare work area in coordination with others

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>1.7 Select required hydraulic excavator equipment and confirm suitability for work activities</p> <p>1.8 Obtain and interpret emergency procedures, and be prepared for fires, accidents and emergencies</p> <p>1.9 Coordinate and communicate planned activities with others at the site prior to commencement of work activity</p>
2. Operate hydraulic excavator in line with established requirements to complete work activity	<p>2.1 Carry out prestart and start-up checks in line with workplace procedures</p> <p>2.2 Identify faults or defects and rectify or report within scope of own responsibility and according to workplace procedures</p> <p>2.3 Walk excavator and position for operation</p> <p>2.4 Select and modify the operating technique suited to equipment capabilities, site and work conditions and according to workplace procedures</p> <p>2.5 Monitor and manage equipment performance using indicators and alarms and in line with manufacturers' specifications</p> <p>2.6 Distribute bulk materials into materials handling equipment considering load limits, and ensuring equipment stability</p> <p>2.7 Side cast bulk materials</p> <p>2.8 Monitor hazards and risks during operations, and ensure safety of self, other personnel, plant and equipment</p> <p>2.9 Park up, shut down, secure and carry out post operational inspection of equipment in line with workplace procedures</p>
3. Carry out housekeeping activities	<p>3.1 Clear work area and dispose or recycle materials according to workplace procedures</p> <p>3.2 Manage and/or report hazards, and maintain a safe working environment</p> <p>3.3 Complete and file or distribute documentation in a manner that complies with workplace practices</p>

## Foundation Skills

*This section describes those language, literacy, numeracy and employment skills that are essential to performance.*

Skill	Description
Reading	<ul style="list-style-type: none"> <li>Identifies and interprets information from workplace procedures, documentation, legislation and regulations</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Uses equipment operating capacity schedule to confirm safe weight load limits</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
RIIMPO301E Conduct hydraulic excavator operations (Release 1)	RIIMPO301D Conduct hydraulic excavator operations (Release 4)	Minor updates to reflect changes to operator maintenance activities	Equivalent unit

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>