

**AURKTJ016 Use earthmoving and off-the-
road tyre handlers**

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Modification History

Release	Comment
Release 2	Updates to Application, Performance Evidence, Knowledge Evidence and Assessment Conditions
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to use an earthmoving and off-the-road (OTR) tyre handler. It includes checking the tyre handler and work site for suitability, operating the tyre handler, and completing work according to operational requirements.

It applies to those who fit earthmoving and OTR tyres, wheels and rim assemblies of not less than 600 mm (24 inches) nominal diameter and classified as OTR/earthmover tyres, noting that this may vary based on the occupation of the learner.

Earthmoving and OTR tyre handlers must be operated in compliance with the licence requirements and regulations of the relevant state or territory authority.

Licensing, legislative, regulatory, Australian standards or certification requirements may apply to this unit in some jurisdictions. Users are advised to check with the relevant regulatory authority.

Unit Sector

Technical - Wheels and Tyres

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Check tyre handler and work site for suitability	1.1 Select work site for operations according to workplace procedures 1.2 Check work area for obstructions and proximity to vehicles and equipment 1.3 Erect barriers and warning signs in areas where there may be passing traffic

ELEMENTS	PERFORMANCE CRITERIA
	1.4 Select specialist equipment and tools according to job requirements and workplace procedures 1.5 Inspect tyre handler for serviceability and compliance with relevant Australian standards
2. Operate tyre handling equipment	2.1 Conduct tyre handler pre-operational checks, and identify and address operating hazards 2.2 Operate tyre handler, specialist equipment and tools within safe working limits to maximise efficiency of operations 2.3 Handle tyres, wheels and rim assemblies according to workplace procedures, manufacturer handling recommendations, and Australian standards
3. Complete work processes	3.1 Remove and store barriers and warning signs 3.2 Return tyre handler, and specialist equipment and tools to appropriate storage or parking area 3.3 Complete documentation according to workplace procedures and report any damage or faults

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance and are not explicit in the performance criteria.

Skills	Description
Reading skills to:	<ul style="list-style-type: none"> read and interpret written information in Australian standards and workplace procedures relating to the use of earthmoving and OTR tyre handlers.
Writing skills to:	<ul style="list-style-type: none"> document actions required during work.
Oral communication skills to:	<ul style="list-style-type: none"> report damage or faults communicate with other personnel in a work context.
Numeracy skills to:	<ul style="list-style-type: none"> interpret tyre handler instruments and indicators read and interpret metric and imperial systems of measurement.
Initiative skills to:	<ul style="list-style-type: none"> identify and avoid potential work obstructions and danger to passing traffic.
Planning and organising skills to:	<ul style="list-style-type: none"> prepare and lay out work area, and obtain equipment and material to avoid wastage, backtracking and workflow interruptions.

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AURKTJ016 Use earthmoving and off-the-road tyre handlers (Release 1)	AURKTJ006 Use earthmoving and off- the-road tyre handlers (Release 2)	Updates to elements and performance criteria, performance and knowledge evidence. Removal of Range of Conditions.	Equivalent

Links

Companion Volume Implementation Guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

Assessment Requirements for AURKTJ016 Use earthmoving and off-the-road tyre handlers

Modification History

Release	Comment
Release 2	Updates to Application, Performance Evidence, Knowledge Evidence and Assessment Conditions
Release 1	New unit of competency.

Performance Evidence

The candidate must demonstrate they can perform the following according to the standards defined in the elements, performance criteria and foundation skills of this unit.

The candidate must demonstrate using earthmoving and off-the-road tyre handlers that safely follows workplace procedures to meet required outcomes on a minimum of three separate occasions. The candidate must:

- locate and interpret required documentation, policies and procedures
- select an appropriate work site and determine safety and hazard requirements
- select appropriate equipment and tools for operation determine suitability of tyre handler for work site
- select the appropriate tyre handler for the work, for at least one of the following pieces of equipment:
 - crane
 - earthmoving and OTR tyre handle
 - forklift-mounted tyre handler
 - grab truck
 - loader-mounted tyre handler
- check tyre handler for faults or damage, including at least one of the following:
 - specialist equipment and tool damage
 - tyre, wheel and rim assembly damage
 - tyre handler damage or faults
 - work area damage
- complete work processes, including storage of equipment and completing documentation.

The above work must be performed on tyres fitted to wheel assemblies and rim assemblies of not less than 600 mm (24 inches) nominal diameter and classified as OTR/earthmover tyres.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- policies and procedures for using earthmoving and OTR tyre handlers, including:
 - how to locate and interpret manufacturer specifications, Australian standards, WHS, and workplace procedures
 - duty of care requirements relating to operating an earthmoving and OTR tyre handler
 - handling procedures for earthmoving and OTR tyre handlers
 - earthmoving and OTR tyre handler controls, instruments and indicators and their use
 - operating hazards and procedures to be followed in the event of an operational emergency
 - procedures for pre-operational checks
 - establishing an exclusion zone
 - inspecting the work zone
- factors affecting selection of work site, including site layout and obstacles
- typical damage and faults related to operating earthmoving and off-the-road tyre handlers, including:
 - specialist equipment and tool damage
 - tyre, wheel and rim assembly damage
 - tyre handler damage or faults
 - work area damage.
 - reporting damage and faults

Assessment Conditions

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessment must include direct observation of tasks.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the use of earthmoving and off-the-road tyre handling equipment that they have used, e.g. maintenance logs.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- a workplace or simulated workplace that reflects workplace conditions - where simulation is used, it must reflect real working conditions by modelling industry operating conditions and contingencies, as well as, using suitable facilities, equipment and resources
- WHS requirements and workplace procedures relevant to using earthmoving tyre handling equipment
- manufacturer specifications and procedures or equivalent documentation for OTR and earthmoving tyre handling equipment

- OTR and earthmoving tyre handling equipment, including one of the following:
 - crane
 - earthmoving and OTR tyre handle
 - forklift-mounted tyre handler
 - grab truck
 - loader-mounted tyre handler
- earthmoving and OTR tyre and wheel and rim assemblies
- tools and equipment required for the use of an earthmoving and OTR tyre handler
- earthmoving and OTR tyre handler that uses specialised tyre handling attachment
- operational vehicles with earthmoving and OTR tyres, wheel and rim assemblies
- workplace instructions relating to the use of earthmoving and OTR tyre handlers

The assessment must:

- be demonstrated in the workplace or in a simulated environment that reflects workplace conditions
- be conducted in a safe environment
- be assessed in compliance with relevant policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed
- confirm consistent performance can be applied in a range of relevant workplace circumstances.

Assessor requirements

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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