

# **AURKTJ015 Select earthmoving and off-the-road tyres, wheels and rim assemblies for specific applications**

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## Modification History

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

## Application

This unit describes the performance outcomes required to select earthmoving and off-the-road (OTR) vehicle tyres, wheels and rim assemblies to suit specific applications in mining, construction and other industrial environments. It involves identifying and confirming work requirements, preparing for work, selecting tyres, wheels and rim assemblies and completing work finalisation processes.

It applies to those who fit tyres to wheel and rim assemblies of not less than 600 mm (24 inches) nominal diameter and classified as off-the-road or earthmover tyres.

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. Prepare to select tyres, wheels and rim assemblies	1.1 Identify customer and job requirements from workplace instructions 1.2 Source information required to select tyres, wheels and rim assemblies
2. Determine appropriate tyres, wheels and rim	2.1 Access information required to select earthmoving and OTR tyres, wheels and rim assemblies from manufacturer and

ELEMENTS	PERFORMANCE CRITERIA
assemblies	<p>component supplier specifications</p> <p>2.2 Analyse tyre, wheel and rim assembly options to identify technical compliance and operational requirements</p> <p>2.3 Carry out selection procedures according to workplace instructions and work health and safety (WHS) requirements</p> <p>2.4 Select product according to customer requirements, manufacture and component supplier specifications</p>
3. Complete selection of tyres, wheels and rim assemblies	<p>3.1 Brief customer on product selection</p> <p>3.2 Complete required documentation regarding selection according to workplace procedures</p>

## Foundation Skills

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

Skills	Description
Learning skills to:	<ul style="list-style-type: none"> <li>identify sources of information and assistance in selecting earthmoving and OTR tyres, wheels and rim assemblies.</li> </ul>
Reading skills to:	<ul style="list-style-type: none"> <li>read and interpret written information in: <ul style="list-style-type: none"> <li>job instructions</li> <li>manufacturer and component supplier specifications</li> <li>workplace instructions.</li> </ul> </li> </ul>
Writing skills to:	<ul style="list-style-type: none"> <li>complete workplace documentation</li> <li>document product selection.</li> </ul>
Oral communication skills to:	<ul style="list-style-type: none"> <li>ask questions to clarify instructions, procedures or customer requirements</li> <li>brief customer on product selection</li> <li>follow oral instructions.</li> </ul>
Numeracy skills to:	<ul style="list-style-type: none"> <li>read and interpret both metric and imperial systems of measurement.</li> <li>interpret numerical information in: <ul style="list-style-type: none"> <li>job instructions</li> <li>manufacturer and component supplier specifications</li> <li>workplace instructions relating to wheels, rim assemblies, and tyres.</li> </ul> </li> </ul>
Problem-solving skills to:	<ul style="list-style-type: none"> <li>seek information and assistance to solve problems.</li> </ul>

## Unit Mapping Information

Supersedes and is equivalent to AURKTJ005 Remove, inspect and fit earthmoving and off-the-road wheel and rim assemblies

## 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 AURKTJ015 Select earthmoving and off-the-road tyres, wheels and rim assemblies for specific applications

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### 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 selection of two different earthmoving and off-the-road (OTR) tyres, wheels and rim assemblies for specific applications following safe workplace procedures and instructions to meet required outcomes. This includes:

- accessing and interpreting information required for selecting tyres, wheels and rim assemblies
- selecting a range of earthmoving and OTR vehicle tyres, wheels and rim assemblies appropriate to customer, workplace, manufacturer and component supplier requirements, whilst observing safety procedures and requirements.

### Knowledge Evidence

The candidate must demonstrate the following knowledge:

Key policies and procedures for selecting earthmoving and OTR tyres, including:

- how to locate and interpret manufacturers specifications, Australian standards and workplace procedures for to earthmoving and OTR vehicle tyres, wheels and rim assemblies
- work health and safety (WHS) requirements relating to selecting earthmoving and OTR vehicle tyres, wheels and rim assemblies

Earthmoving and OTR vehicle tyres, wheels and rim assembly information including:

- tyres, wheels and rim assembly terminology and codes
- tread patterns
- tyre and wheel and rim assembly types and their applications
- tyre placards and markings

## 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 selection of earthmoving and off-the-road tyres, wheels and rim assemblies, e.g. repair orders and workplace instructions.

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
- repair orders and workplace instructions relating to selecting earthmoving and OTR tyres, wheels and rim assemblies
- WHS requirements and workplace procedures relevant to selecting earthmoving and OTR tyres
- manufacturer specifications and procedures or equivalent documentation to selecting earthmoving and OTR tyres
- Australian standards relating to earthmoving and OTR vehicle tyres, wheels and rim assemblies
- earthmoving and OTR vehicles with tyres, wheels and rim assemblies
- manufacturer and component supplier specifications
- workplace instructions.

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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