



Australian Government

RIISAM315A Manage tyre, wheel and rim assembly applications

Release: 1

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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 manage selection and monitor condition, repair and disposal processes for off-the-road (OTR) and earthmoving vehicle's tyres, wheels and rim assemblies.

This unit is appropriate for those working in tyre fitting supervisory roles. It applies to those who work with tyres, wheels and rim assemblies of not less than 600mm (24 inches) nominal diameter.

Licensing, legislative, regulatory, Australian Standards or certification requirements may apply to this unit and can vary between states, territories, and industry sectors, and must be sourced from relevant state jurisdictions prior to application of the unit.

Pre-requisite Unit

RIISAM210D Remove and fit wheel assemblies; and
RIISAM211D Remove, repair and refit tyres and tubes;

OR

AURKTJ011 Remove, inspect and fit earthmoving and off-the-road tyres; and
AURKTJ012 Remove, inspect and fit earthmoving and off-the-road wheel and rim assemblies.

Unit Sector

Civil infrastructure
Coal mining
Drilling
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. Select, procure and store tyres, wheels and rim assemblies for application	1.1 Confirm technical, operational and economic requirements of tyres, wheels or rim assemblies in line with workplace procedures 1.2 Obtain information from authorised manufacturer(s) on the options for tyres, wheels or rim assemblies in line with workplace procedures 1.3 Analyse tyre, wheel or rim assembly options to identify technical compliance, economic benefits and meeting operational requirements in line with workplace procedures 1.4 Select tyres, wheels or rim assemblies based on analysis and procure according to workplace procedures 1.5 Coordinate receipt of tyres, wheels or rim assemblies and transportation to required location in line with workplace procedures 1.6 Arrange storage of tyres, wheels or rim assemblies according to workplace procedures 1.7 Complete documentation for newly procured tyres, wheels and rim assemblies according to workplace procedures, including registering information on workplace asset management systems within scope of own responsibilities
2. Manage tyres, wheels and rim assemblies conditions	2.1 Set-up maintenance schedule for tyres, wheels and rim assemblies in line with workplace procedures 2.2 Coordinate and manage resources to meet the requirements of the maintenance schedule 2.3 Supervise inspection of tyres, wheels or rim assemblies according to maintenance schedule or reported issues 2.4 Perform fault identification of tyres, wheels or rim assemblies during inspection and rectify within scope of own responsibility and according to workplace procedures 2.5 Update maintenance schedule for tyres, wheels and rim assemblies based on condition and wear
3. Manage tyres, wheels and rim assemblies repairs	3.1 Identify authorised contractors to repair tyres, wheels or rim assemblies in line with workplace procedures 3.2 Coordinate transportation of tyres, wheels or rim assemblies to and from the repair contractor in line with workplace

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	procedures 3.3 Inspect tyres, wheels or rim assemblies on return from repair contractor to confirm compliance with workplace procedures
4. Confirm and perform end of life procedures for tyres, wheels and rim assemblies	4.1 Confirm when tyres, wheels or rim assemblies are no longer fit for service 4.2 Arrange disposal or recycle tyres, wheels or rim assemblies as per workplace procedures 4.3 Complete and file or distribute documentation in a manner that complies with workplace practices

Foundation Skills

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

Skill	Description
Reading	Identifies and interprets information from workplace procedures, policies, documentation and applicable standards
Numeracy	Identifies and comprehends relevant mathematical information in relation to tyre, wheel and rim assembly procurement
Writing	Produces and completes workplace reports, including maintenance schedule and procurement paperwork, using appropriate vocabulary, grammatical structures and conventions

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
RIISAM315A Manage tyre, wheel and rim assembly applications	N/A	New unit	N/A

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 RIISAM315A Manage tyre, wheel and rim assembly applications

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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 evidence of completion of the tyre, wheel and rim assembly management process that safely, effectively and efficiently follows workplace procedures to carry out work activity on at least three occasions. This includes:

- selecting a tyre, wheel and rim assembly that meets requirements
- setting up and updating maintenance schedules for tyres, wheels and rim assemblies
- performing fault identification of tyres, wheels and rim assemblies
- identifying if tyre, wheel or rim assembly repairs meet workplace requirements

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

- locate and apply relevant documentation, specifications, policies and procedures
- monitor condition of tyres, wheels and rim assemblies
- identify and manage competent repair contractors
- identify and control any hazardous conditions
- select and wear appropriate personal protective equipment
- communicate clearly and concisely with others to receive and clarify work instructions and coordinate work activities prior to commencing
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Knowledge Evidence

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

Key policies, procedures and applicable standards for tyres, wheels and rim assemblies described in the performance evidence, including:

- identifying and managing risks
- equipment safety requirements
- inspection of tyres, wheels and rim assemblies

- relevant manufacturer or supplier policies
- workplace health and safety
- disposal and recycling

Key features associated with tyre, wheel or rim assembly performance, including:

- types and classifications of tyres, wheels and rim assemblies
- structure and design of tyres, wheels and rim assemblies
- manufacturers of tyre, wheels and rim assemblies
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Assessment Conditions

Mandatory conditions for assessment of this unit are stipulated below.

The assessment must:

- include access to:
 - standards, workplace policies and procedures relevant to managing tyre, wheel and rim assembly applications
 - off-the-road (OTR) and earthmoving tyres, wheels and rim assemblies of not less than 600mm (24inches) nominal diameter
 - manufacturer and component supplier specifications
 - manufacturer instructions and workplace procedures relevant to inspecting and repairing of OTR and earthmoving tyres and tubes
 - personal protective equipment required for the activities described in the performance evidence
- be conducted in a safe environment
- be assessed in context of the sector's work environment
- be assessed in compliance with relevant legislation and regulations and using 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.

Where personal safety or environmental damage are limiting factors, assessment may occur in a simulated work 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.

• Assessor requirements

Assessors must be able to clearly demonstrate current and relevant industry knowledge and experience to satisfy the mandatory regulatory standards as set out in the Standards for Registered Training Organisations (RTOs) 2015/AQTF mandatory requirements for assessors current at the time of assessment and any relevant licensing and certification requirements.

This includes:

- vocational competencies at least to the level being delivered and assessed
- current industry skills directly relevant to the training and assessment being provided

- current knowledge and skills in vocational training and learning that informs their training and assessment
- formal relevant qualifications in training and assessment
- having knowledge of and/or experience using the latest techniques and processes
- possessing the required level of RII training product knowledge
- having an understanding and knowledge of legislation and regulations relevant to the industry and to employment and workplaces
- demonstrating the performance evidence, and knowledge evidence outlined in this unit of competency, and
- the minimum years of current** work experience after competency has been obtained as specified below in an industry sector relevant to the outcomes of the unit.
- It is also acceptable for the appropriately qualified assessor to work with an industry expert to conduct assessment together and for the industry expert to be involved in the assessment judgement. The industry expert must have current industry skills directly relevant to the training and assessment being provided. This means the industry subject matter expert must demonstrate skills and knowledge from the minimum years of current work experience after competency has been obtained as specified below, including time spent in roles related to the unit being assessed:

Industry sector	AQF indicator 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, Extractive (Quarrying), Metalliferous Mining and Civil Construction	3-6	3 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.	

*Guidance on simulated environments has been stipulated in the RII implementation guide located on VETNet.

**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 a minimum number of site assessments as determined by the relevant industry sector, across various locations.

*** While a Unit of Competency does not have an AQF level, where a unit is being delivered outside of a qualification the first numeric character in the unit code should be considered as the AQF indicator level for assessment purposes.

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