



**Australian Government**

# **RIARO306 Respond to obstructions to autonomous operations**

**Release: 2**

## RIIARO306 Respond to obstructions to autonomous operations

### Modification History

Release	Comments
Release 2	This version first released with RII Resources and Infrastructure Industry Training Package Version 9.0. Minor changes to the two knowledge evidence items.
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.

### Application

This unit describes the skills and knowledge required to respond to obstructions to autonomous operations in the resources and infrastructure industries, including monitoring, troubleshooting and correcting obstructions to autonomous operations.

It applies to those working in site-based roles. They generally work under minimal supervision to undertake a broad range of tasks in varied work contexts, using some discretion and judgement in applying investigative and corrective actions.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories and industry sectors. Users must check requirements with relevant body before applying the unit.

### Unit Sector

Coal mining

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 to monitor and reset autonomous operations	1.1 Obtain, interpret, confirm and clarify work instructions 1.2 Identify and confirm autonomous systems and components involved in work activity 1.3 Access, interpret and apply documentation required to monitor and reset autonomous operations and confirm work activity is compliant

ELEMENT	PERFORMANCE CRITERIA
	1.4 Identify and confirm own role and responsibility in autonomous operations value chain according to organisational requirements 1.5 Select and wear personal protective equipment according to site requirements 1.6 Select and obtain tools and equipment required for work activity in proximity to autonomous systems and components 1.7 Obtain permits and clearances according to job and site requirements 1.8 Identify potential risks and hazards, implement control measures within scope of own role, and escalate where required 1.9 Obtain and interpret emergency procedures and identify steps required to respond to emergencies 1.10 Coordinate and communicate planned activities with other personnel in work area according to site requirements
2. Monitor autonomous operations	2.1 Enter designated work area according to autonomous systems and component manufacturer specifications and site requirements 2.2 Identify requirements for, and implement personal protective zone according to manufacturer specifications and site requirements 2.3 Monitor risks and hazards, implement control measures within scope of own role, and escalate where required 2.4 Monitor and verify autonomous operations in work area within scope of own role, and confirm operations meet manufacturer specifications and job and site requirements 2.5 Monitor alert systems and alarms according to autonomous system and component manufacturer specifications and site requirements
3. Respond to obstructions to autonomous operations	3.1 Respond to notification of obstruction to autonomous operations within scope of own role and according to manufacturer specifications and site requirements 3.2 Coordinate and communicate response activities with others 3.3 Check and confirm obstruction is safe to approach and located a safe distance from autonomous operations according to manufacturer specifications and site requirements 3.4 Investigate and troubleshoot obstruction according to manufacturer specifications, site requirements and scope of own role, and escalate where required 3.5 Propose and trial corrective action based on investigation and according to manufacturer specifications and site requirements 3.6 Confirm normal autonomous operations are restored according to manufacturer specifications and site requirements, and escalate where required
4. Conduct housekeeping	4.1 Complete records and documentation according to site requirements 4.2 Report potential risks and hazards according to site requirements and

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b>
activities	escalate where required 4.3 Identify opportunities to optimise safety, efficiency and effectiveness of autonomous operations, and escalate where required within scope of own role

## Foundation Skills

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

<b>SKILL</b>	<b>DESCRIPTION</b>
Oral communication	<ul style="list-style-type: none"> <li>• Uses listening and questioning to clarify and confirm understanding</li> </ul>
Self-management	<ul style="list-style-type: none"> <li>• Monitors and minimises own exposure to worksite risks and hazards during work activities</li> </ul>
Technology	<ul style="list-style-type: none"> <li>• Uses digital technologies and applications to access, organise and share information</li> </ul>

## Unit Mapping Information

No equivalent unit. New unit.

## Links

Companion Volume implementation guides is found on VETNet -

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