RIIARO301 Work safely in autonomous environments

Release: 2

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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 work safely in autonomous environments in the resources and infrastructure industries including preparing for and safely carrying out work activities in proximity to autonomous systems and components.

It applies to those working in site-based roles. They generally work in proximity to or directly with ground based mobile or fixed autonomous and semi-autonomous systems and components, using some discretion and judgement in selecting equipment, services or contingency measures.

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

Extractive

Metalliferous mining

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Plan and prepare to work safely in proximity to	1.1 Obtain, interpret, confirm and clarify work instructions 1.2 Identify and confirm autonomous systems and components in proximity to work activity

ELEMENT	PERFORMANCE CRITERIA
autonomous systems and components	1.3 Access, interpret and apply documentation required to work safely in proximity to autonomous systems and components and confirm work activity is compliant
	1.4 Select and wear personal protective equipment according to site requirements
	1.5 Select and obtain tools and equipment required for work activity in proximity to autonomous systems and components
	1.6 Obtain permits and clearances according to job and site requirements
	1.7 Identify potential risks and hazards, implement control measures within scope of own role, and escalate where required
	1.8 Obtain and interpret emergency procedures and identify steps required to respond to emergencies
2. Carry out work activity in proximity to autonomous systems and components	2.1 Carry out pre-start checks according to site requirements
	2.2 Check and confirm work area is in safe proximity to autonomous systems and components according to manufacturer specifications and site requirements
	2.3 Enter designated work area according to autonomous system and component manufacturer specifications and site requirements
	2.4 Coordinate designated work activities within scope of own role and communicate with others
	2.5 Carry out work activity in required proximity to autonomous systems and components
	2.6 Monitor risks and hazards, implement control measures within scope of own role, and escalate where required
	2.7 Report on monitoring systems and alarms according to site requirements and respond within scope of own role, and escalate where required
	2.8 Complete designated work activity according to job requirement
	2.9 Exit work area according to autonomous system and component manufacturer specifications and site requirements
	2.10 Complete records and documentation according to site requirements

Foundation Skills

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

SKILL	DESCRIPTION
Oral communication	• Uses listening and questioning to clarify and confirm understanding

SKILL	DESCRIPTION
Self-management	• Monitors and minimises own exposure to worksite risks and hazards during work activities
Technology	• Uses digital technologies and applications to access, organise and share information

Unit Mapping Information

No equivalent unit. New unit.

Links

Companion Volume Implementation Guide is found on VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272