



Australian Government

RIIARO307 Activate and deactivate autonomous systems

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 activate and deactivate autonomous systems in the resources and infrastructure industries, including carrying out work activity on autonomous systems and components and identifying and reporting malfunctions and failures.

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 action.

This unit alone does not provide sufficient skill to undertake the associated manual mobile plant and/or equipment operations. To perform this activity safely, it is intended that users have successfully completed relevant training for the associated manual mobile plant and/or equipment operations.

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	1.1 Obtain, interpret, confirm and clarify work instructions

ELEMENT	PERFORMANCE CRITERIA
activate and deactivate autonomous system	<p>1.2 Identify and confirm autonomous systems and components involved in work activity</p> <p>1.3 Access, interpret and apply documentation required to activate and deactivate autonomous systems and confirm work activity is compliant</p> <p>1.4 Identify and confirm own role and responsibility in autonomous operations value chain according to organisational requirements</p> <p>1.5 Select and wear personal protective equipment according to site requirements</p> <p>1.6 Select and obtain tools and equipment required for work activity in proximity to autonomous systems and components</p> <p>1.7 Obtain permits and clearances according to job and site requirements</p> <p>1.8 Identify potential risks and hazards, implement control measures within scope of own role, and escalate where required</p> <p>1.9 Obtain and interpret emergency procedures and identify steps required to respond to emergencies</p> <p>1.10 Communicate and coordinate planned activities with others with other personnel in work area according to site requirements</p>
2. Deactivate autonomous system	<p>2.1 Enter designated work area according to autonomous systems and component manufacturer specifications and site requirements</p> <p>2.2 Identify requirements for, and implement personal protective zone according to manufacturer specifications and site requirements</p> <p>2.3 Monitor risks and hazards, implement control measures within scope of own role, and escalate where required</p> <p>2.4 Check and confirm the autonomous system is safe to approach according to manufacturer specifications and site requirements</p> <p>2.5 Monitor alert systems and alarms according to manufacturer specifications and site requirements</p> <p>2.6 Deactivate autonomous system according to manufacturer specifications and site requirements.</p> <p>2.7 Confirm deactivation of autonomous system according to manufacturer specifications and site requirements and escalate where required</p> <p>2.8 Carry out required work activity involving autonomous system within scope of own role and according to manufacturer specifications and job and site requirements</p>
3. Activate autonomous system	<p>3.1 Activate autonomous system according to manufacturer specifications and site requirements</p> <p>3.2 Confirm normal operation of autonomous systems is restored according to manufacturer specifications and site requirements, and escalate where required</p> <p>3.3 Exit designated work area according to autonomous systems and</p>

ELEMENT	PERFORMANCE CRITERIA
	component manufacturer specifications and site requirement
4. Conduct housekeeping activities	4.1 Complete records and documentation according to site requirements 4.2 Report potential risks and hazards according to site requirements and escalate where required 4.3 Identify autonomous system and component malfunctions and failures, address within scope of own role and report according to site requirements 4.4 Identify opportunities to optimise safety, efficiency and effectiveness of autonomous operations within scope of own role, and escalate where required

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

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>