RIIARO302 Work safely with remotely piloted aircraft systems

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 7.0.

Application

This unit describes the skills and knowledge required to work safely with remotely piloted aircraft systems (RPAS) in the resources and infrastructure industries, and other industries with relevant work practices and procedures, including carrying out work activity involving operating RPAS and required sub-systems and devices and conducting risk assessments. It is intended to be delivered in compliance with relevant Civil Aviation Safety Authority (CASA) regulatory requirements and national operating standards.

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 selecting equipment, services or contingency measures. It is intended for those who hold a remote pilot licence (RePL).

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

Unit Sector

Civil construction

Coal mining

Drilling

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 with	1.1 Obtain, interpret, confirm and clarify work instructions 1.2 Access, interpret and apply documentation required to work safely

ELEMENT	PERFORMANCE CRITERIA
RPAS	with remotely piloted aircraft systems (RPAS) and confirm work activity is compliant
	1.3 Select and wear personal protective equipment according to site requirements
	1.4 Obtain permits and clearances according to legislative, job and site requirements
	1.5 Check and confirm condition of RPAS and required sub-systems meets job and site requirements
	1.6 Check and confirm surface and atmospheric conditions of work area are safe to operate RPAS according to manufacturer specifications 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, develop contingency plans and identify steps required to respond to emergencies
2. Carry out work activity using RPAS	2.1 Identify and communicate fatigue risks to required personnel according to legislative and site requirements
	2.2 Coordinate RPAS operation with required personnel within scope of own role
	2.3 Operate and monitor RPAS and required sub-systems and devices according to manufacturer specifications and job and site requirements
	2.4 Monitor risks and hazards, implement control measures within scope of own role, and escalate where required
	2.5 Report on monitoring systems and alarms according to site requirements and respond within scope of own role, and escalate where required
	2.6 Complete RPAS operation according to manufacturer specifications and job and site requirements
	2.7 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
Self-management	• Monitors and minimises own exposure to worksite risks and hazards

SKILL	DESCRIPTION
	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 guides is found on VETNet -
https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272