AVIW3024 Perform wireman duties

Release: 1

AVIW3024 Perform wireman duties

Modification History

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Application

This unit involves the skills and knowledge required to perform wireman duties, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes preparing for recovery or deployment and recovering/deploying equipment and personnel.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to equipment and system operations of flight or ground operations personnel, and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of recreational, commercial and military aircraft activities across a variety of operational contexts within the Australian aviation industry.

Work is performed independently or under limited supervision within a single-pilot or multi-crew environment.

Licensing, legislative, regulatory or certification requirements are applicable to this unit.

Use for Defence Aviation is to be in accordance with relevant Defence Orders, Instructions, Publications and Regulations.

Pre-requisite Unit

Not applicable.

Competency Field

W – Equipment and Systems Operations

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.	
1 Prepare for recovery/ deployment	1.1	Personal safety equipment is inspected, donned, connected and checked
	1.2	Hoisting equipment and/or personnel to be hoisted are prepared, inspected, connected and checked
	1.3	Personnel to be hoisted are briefed as required
2 Recover/deploy equipment/ personnel	2.1	Hand signals are used as required
	2.2	Positive control of equipment and personnel is maintained during ascent and descent
	2.3	Assistance for personnel is provided as required in hoisting operations
	2.4	Assistance for personnel is provided as required in abnormal/emergency hoisting operation situations
	2.5	Disconnection of equipment and personnel is conducted in accordance with organisational policy and procedures
	2.6	Cable is earthed prior to completing descent

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Hoisting equipment must include one or more of the following:	- double lift harness - emergency slings - extension strop - hi-line transfer equipment - rescue litter - rescue net - rescue strop - rope harness sling

Preparing hoisting equipment and/or personnel must include:	• single rescue sling • stretchers • transfer equipment and message bag • assistance in the donning personal equipment • securing of items/loads/personnel
Hand signals must include one or more of the following:	• aircraft go around • all clear • boom in/out • cease movement • come up/down • emergency descent • hoist in/out • hoist up/down • move left/right • ready to be hoisted • stop hoisting
Environment for hoisting operations must include one or more of the following:	• bushfire affected areas • confined areas • forest/bush • mountainous areas • over land • over water • pinnacles • ship/boat transfers
Abnormal/emergency situation must include one or more of the following:	• aircraft malfunction • aircraft system failure • communications equipment failure • electrical/mechanical failure • fouled cable • fouled hoist • hoist equipment malfunction • hoistee incapacitation • intercom system failure during hoisting operations • operator incapacitation • runaway hoist

Australian Industry Standards

Unit Mapping Information

This unit replaces and is equivalent to AVIW3024A Perform wireman duties.

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816