Australian Government

AVIO2009 Screen articles by interpreting X-ray images

Release: 1

AVIO2009 Screen articles by interpreting X-ray images

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 screen articles by interpreting X-ray images at a security controlled airport with screened air services, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes setting up and testing X-ray screening equipment, operating X-ray screening equipment, interpreting X-ray images, and taking appropriate action when weapons, explosives and prohibited items are detected.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to aviation security duties that complement the non-technical skills of 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 as a single operator or within a team 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

O – Security

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	**Set up and test X-ray screening equipment**	1.1	X-ray screening equipment is set up in accordance with workplace procedures
		1.2	Required daily X-ray screening equipment tests are carried out in accordance with workplace procedures
		1.3	X-ray screening equipment safety risks are identified and controlled during set up and testing, in accordance with workplace procedures
2	**Operate X-ray screening equipment**	2.1	X-ray equipment is operated in accordance with workplace procedures
		2.2	X-ray screening equipment safety risks are identified and controlled during operation, in accordance with workplace procedures
3	**Interpret X-ray images of screened articles**	3.1	X-ray images of screened articles are interpreted in accordance with workplace procedures
		3.2	Image enhancement functions are used effectively in accordance with workplace procedures
		3.3	Colours on X-ray image are correctly interpreted in accordance with workplace procedures
		3.4	Article shapes and sizes on X-ray image are correctly interpreted in accordance with workplace procedures
		3.5	Prohibited items, weapons and explosives on X-ray image are correctly detected in accordance with workplace procedures
4	**Take appropriate action when weapons, explosives and prohibited items are detected**	4.1	Suspected explosives are reported to screening point supervisor and appropriate action is taken, in accordance with legislative requirements and workplace procedures
		4.2	Suspected weapons or prohibited items are reported to screening point supervisor and appropriate action is taken, in accordance with legislative requirements and workplace

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procedures

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.

Legislative requirements must include:	• current Aviation Transport Security Act (and amendments) • notices made under the Act • organisation's transport security program
Articles must include one or more of the following:	• bags • cabin baggage • checked baggage • display/promotional items • goods • personal belongings • packages • personal effects • tools of trade • work equipment
X-ray screening equipment must include:	• X-ray screening equipment that has threat image projection system capability and is capable of differentiation between organic and inorganic material • single or multi view X-ray equipment

Unit Mapping Information

This unit replaces and is equivalent to AVIO2009B Screen articles by interpreting X-ray images.

Links

AVI Aviation Training Package Companion Volume Implementation Guide at: - http://companion_volumes.vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=21