



Australian Government

AVIO0038 Screen articles by interpreting X-ray images

Release: 1

AVIO0038 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 in a transport security environment in compliance with relevant legislative requirements 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 transport security technical skill requirements (physical, mental and task-management abilities) related to transport security duties of aviation, maritime and air cargo security personnel, and contributes to safe and effective performance in operational transport security environments.

Operations are conducted across a variety of operational contexts within the Australian transport security environment.

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

Pre-requisite Unit

Not applicable.

Competency Field

O – Security

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

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 legislative requirements and workplace procedures
- 1.2** X-ray screening equipment tests are conducted 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 Manage loading of X-ray equipment

- 2.1** Loading items onto X-ray belt is controlled and appropriate actions is taken to maintain a steady flow through X-ray screening equipment
- 2.2** Issues interfering with flow of items through X-ray screening equipment are identified and appropriate action is taken to resolve issues concerned
- 2.3** Appropriate advice is provided about items to be identified by screening equipment in accordance with legislative requirements and workplace procedures
- 2.4** Physical position of items is controlled in accordance with workplace procedures
- 2.5** Persons with specific needs are identified and assisted in accordance with workplace procedures
- 2.6** Items with diplomatic status are processed in accordance with workplace procedures

3 Operate X-ray screening equipment

- 3.1** X-ray equipment is operated in accordance with workplace procedures
- 3.2** X-ray screening equipment safety risks are identified and controlled during operation, in accordance with workplace procedures

4 Interpret X-ray images of screened articles

- 4.1** X-ray images of screened articles are interpreted in accordance with workplace procedures
- 4.2** Image enhancement functions are used effectively in accordance with workplace procedures
- 4.3** Colours on X-ray images are correctly interpreted in accordance with workplace procedures
- 4.4** Article characteristics on X-ray images are correctly

		interpreted in accordance with workplace procedures				
	4.5	Prohibited items, weapons and explosives on X-ray images are correctly detected in accordance with workplace procedures				
5	Take appropriate action when weapons, explosives and prohibited items are detected	<table><tr><td>5.1</td><td>Suspected explosives are reported to supervisor and appropriate action is taken, in accordance with legislative requirements and workplace procedures</td></tr><tr><td>5.2</td><td>Suspected unauthorised weapons or prohibited items are reported to supervisor and appropriate action is taken, in accordance with legislative requirements and workplace procedures</td></tr></table>	5.1	Suspected explosives are reported to supervisor and appropriate action is taken, in accordance with legislative requirements and workplace procedures	5.2	Suspected unauthorised weapons or prohibited items are reported to supervisor and appropriate action is taken, in accordance with legislative requirements and workplace procedures
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5.2	Suspected unauthorised weapons or prohibited items are reported to supervisor and appropriate action is taken, in accordance with legislative requirements and workplace 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.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is not equivalent to AVIO0014 Screen articles by interpreting X-ray images.

Links

Companion Volume Implementation Guides are found in VETNet' -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816>