



**Australian Government**

# **AVIO0014 Screen articles by interpreting X-ray images**

**Release: 1**

# AVIO0014 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 transport security protection workplace, in compliance with relevant regulatory 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 as part of transport security across a variety of operational aviation, maritime and air cargo contexts within the Australian 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.

## 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1 Set up and test X-ray screening equipment</b>                                          | <p><b>1.1</b> X-ray screening equipment is set up in accordance with workplace procedures</p> <p><b>1.2</b> Required daily X-ray screening equipment tests are carried out in accordance with workplace procedures</p> <p><b>1.3</b> X-ray screening equipment safety risks are identified and controlled during set up and testing, in accordance with workplace procedures</p>                                                                                                                                                                                                                       |
| <b>2 Operate X-ray screening equipment</b>                                                  | <p><b>2.1</b> X-ray equipment is operated in accordance with workplace procedures</p> <p><b>2.2</b> X-ray screening equipment safety risks are identified and controlled during operation, in accordance with workplace procedures</p>                                                                                                                                                                                                                                                                                                                                                                 |
| <b>3 Interpret X-ray images of screened articles</b>                                        | <p><b>3.1</b> X-ray images of screened articles are interpreted in accordance with workplace procedures</p> <p><b>3.2</b> Image enhancement functions are used effectively in accordance with workplace procedures</p> <p><b>3.3</b> Colours on X-ray image are correctly interpreted in accordance with workplace procedures</p> <p><b>3.4</b> Article shapes and sizes on X-ray image are correctly interpreted in accordance with workplace procedures</p> <p><b>3.5</b> Prohibited items, weapons and explosives on X-ray image are correctly detected in accordance with workplace procedures</p> |
| <b>4 Take appropriate action when weapons, explosives and prohibited items are detected</b> | <p><b>4.1</b> Suspected explosives are reported to screening point supervisor and appropriate action is taken, in accordance with legislative requirements and workplace procedures</p> <p><b>4.2</b> Suspected weapons or prohibited items are reported to screening point supervisor and appropriate action is taken, in accordance with legislative requirements and workplace procedures</p>                                                                                                                                                                                                       |

## **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.

## **Unit Mapping Information**

This unit replaces and is equivalent to AVIO2009 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>