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| **UNIT CODE** | CPPSEC3XXX |
| **UNIT TITLE** | Conduct security screening using x-ray equipment |
| **APPLICATION** | This unit specifies the skills and knowledge required to conduct security screening of items using x-ray equipment. X-ray equipment includes single or multi-view equipment which may have threat-image projection system capability that can differentiate between organic and inorganic material.  It includes:   * interpreting and complying with procedures, workplace policies, and legal rights and responsibilities for security screening using x-ray equipment * setting up, testing and operating x-ray equipment and managing the position and flow of items through the screening point * interpreting x-ray images to clarify the meaning of colours, shapes and sizes and using image enhancement functions to detect the presence of prohibited items such as weapons, explosives or dangerous goods * using communication equipment to report detected items * maintaining situational awareness to monitor and maintain security and respond quickly to security risks   It applies to people working independently or under limited supervision as members of a security team.  This unit may form part of the licensing requirements for people engaged in security operations in those states and territories where these are regulated activities. |
| **PREREQUISITE UNIT** | Nil |
| **ELEMENTS** | **PERFORMANCE CRITERIA** |
| Elements describe the essential outcomes. | Performance criteria describe what needs to be done to demonstrate achievement of the element. |
| 1. Prepare for screening using  x-ray equipment. | 1.1 Interpret and comply with workplace procedures, policies and legal rights and responsibilities for screening items using x-ray equipment.  1.2 Set up and test x-ray screening equipment following manufacturers’ instructions, and rectify or report problems to relevant persons. |
| 2. Operate x-ray equipment and screen items. | 2.1 Identify hazards and risks in the work area and implement necessary controls to maintain safety of people and property.  2.2 Operate x-ray screening equipment following manufacturers’ instructions.  2.3 Manage position and flow of items through screening point for optimal image interpretation. |
| 3. Interpret x-ray images. | 3.1 Interpret x-ray images and verify meaning of colours, shapes and sizes of items being screened.  3.2 Manipulate images using enhancement functions to clarify item components, and seek assistance in situations where image features cannot be clarified. |
| 4. Detect and report prohibited items. | 4.1 Detect actual or suspected prohibited items on x-ray image and check image features to confirm findings.  4.2 Use security equipment to immediately report the presence or suspected presence of prohibited items to relevant persons.  4.3 Monitor persons and items in the screening area to maintain situational awareness and promptly respond to potential security risks. |
| ***FOUNDATION SKILLS***  A person demonstrating competency in this unit must have the following language, literacy, numeracy and employment skills:   * language skills to use security industry approved communication terminology, codes and signals * reading skills to interpret:   + procedures and policies that clarify legal rights and responsibilities   + manufacturers’ instructions and equipment labels when setting up, testing and operating x-ray equipment   + coloured, pictorial, graphical and written information and instructions * speaking and listening skills to:   + give clear, sequenced instructions when managing position and flow of items   + use a radio or phone to report and describe detected prohibited items   + use questions to receive instructions when seeking assistance * numeracy skills to interpret and calculate numerical information when calibrating x-ray equipment and interpreting images * problem solving skills to:   + identify equipment faults and malfunctions   + recognise suspicious items and behaviours * self-management skills to plan tasks to meet job requirements * teamwork skills to adjust personal communication styles in response to the opinions, values and needs of others | |
| **UNIT MAPPING INFORMATION** | No equivalent unit |
| **LINKS** | Companion volumes to this training package are available at the VETNet website:  <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b> |

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| **TITLE** | | CPPSEC3XXX Conduct security screening using x-ray equipment |
| **PERFORMANCE EVIDENCE** | | |
| A person who demonstrates competency in this unit must on two (2) separate occasions, conduct security screening using x-ray equipment, involving, on each occasion:   * correctly positioning and screening six (6) different items * correctly identifying the nature of the items by interpreting the colours, shapes and sizes of their x-ray images * correctly using image enhancement functions of equipment to identify:   + one weapon   + the presence of explosives   + the presence of another type of prohibited item, such as a dangerous good   In doing this, the person must meet the performance criteria for this unit. | | |
| **KNOWLEDGE EVIDENCE** | | |
| To be competent in this unit, a person must demonstrate knowledge of:   * standard operating procedures and workplace policies that ensure compliance with legislative and regulatory requirements including:   + anti-discrimination and diversity   + counter terrorism   + dangerous goods   + duty of care   + limits of own authority   + workplace health and safety (WHS) * components, operating principles and characteristics of typical weapons, explosives and prohibited items that may be contained in items being screened * features of x-ray images that indicate the possible presence of weapons, explosives or prohibited items in articles * limitations of x-ray imaging processes and how to overcome these limitations * methods and techniques for interpreting x-ray images and the meaning of colour (metals, organics and inorganics), shape and size * potential hazards, risks and security risk situations that can arise when screening items using x-ray equipment * procedures for reporting the detection of prohibited items and security risks * procedures for setting up and testing x-ray screening equipment * purpose and uses of image enhancement functions on x-ray equipment * site emergency and evacuation plans and procedures * surveillance techniques for monitoring security of the screening point * types of items that are prohibited including weapons, explosives and dangerous goods that are corrosive, flammable, explosive, spontaneously combustible, toxic, oxidising or water-reactive | | |
| **ASSESSMENT CONDITIONS** | | |
| Assessors must satisfy the requirements for assessors contained in the Standards for Registered Training Organisations.  Assessment of performance must be undertaken in an operational workplace environment or environment that reflects workplace conditions. Tasks are to be performed to the level of proficiency and within the time limits that would be expected in a workplace.  Assessors are responsible for ensuring that the person demonstrating competency has access to:   * specifications of assessment tasks to conduct security screening using x-ray equipment * appropriate documents, materials, equipment and personal protective equipment currently used in industry * standard operating procedures and workplace policies related to the security work role and which specify requirements for complying with industry legislation and regulations | | |
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For inclusion in separate Companion Volume: Range Statements

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| ***Workplace policies and legal rights and responsibilities*** may relate to: | * access and equity policies, principles and practices * aviation transport and maritime transport Acts and regulations * chain of command * client service standards * communication and reporting procedures * counter terrorism * dangerous goods * duty of care * emergency and evacuation procedures * items that are prohibited * licensing requirements * own role, responsibilities and authority * professional standards, code of conduct and ethics * risk management * team work * use of force guidelines * workplace health and safety (WHS) policies and procedures |
| ***Relevant persons*** may include: | * clients and their staff * colleagues * emergency services personnel (police, ambulance, fire brigade) * security personnel * supervisors |
| ***Image interpretation*** may relate to: | * interpreting the meaning of colours on the x-ray image * recognising prohibited items on the x-ray image * recognising shapes and sizes of objects on the x-ray image * using image enhancement functions of x-ray equipment |
| ***Prohibited items*** may relate to: | * dangerous goods that are corrosive, flammable, explosive, spontaneously combustible, toxic, oxidising or water-reactive * explosives or explosive devices * items that are not permitted to enter the premises * weapons such as knives, guns or sharp objects |
| ***Monitoring*** may relate to: | * following procedures to maintain security * maintaining vigilance and awareness to immediately recognise changes in the work area or individual or group behaviour * recording details of observations or risk situations |
| ***Security risks*** may relate to**:** | * injury to persons, eg. staff and members of the public * persons acting suspiciously * persons carrying prohibited items such as weapons * persons suffering from emotional or physical distress * persons who are drug affected or under the influence of intoxicating substances * persons with criminal intent * presence of biological hazards or chemicals * presence of explosives * potential terrorist activity * suspicious packages, bags or substances |