ICAO REGIONAL AVIATION SECURITY TRAINING CENTER OF TUNISIA

AFSAC ICAO ASTC Tunis



X-RAY TRAINING IN AVIATION SECURITY

Certified ✔ Accredited by: ICAO Duration:05 Days Language of Instruction: English

Registration Contact: training@afsactunisie.com +216 98 333 330 +216 20199950

Course Goal:

The purpose of this course is to enable participants to proficiently utilize X-ray imaging systems to detect and resolve threats effectively at airports. They will understand the operational principles, safety protocols, and image analysis techniques necessary to identify prohibited items, weapons, and concealed threats, ensuring robust aviation security.

Course Objectives:

After successfully completing this course, the trainees will be able to:

- Understand the importance of prevention by recalling a few incidents that have occurred.
- Describe the main components of an x-ray system.
- Explain the operating principle of an X-ray system.
- Perform the proper functioning test.
- List the main safety rules.
- Recognize weapons, explosive devices, dangerous and everyday objects, especially when they are dismantled or concealed.
- Apply the radioscopic image analysis protocol.
- Apply the threat resolution protocol (progress test).
- Use the x-ray system set up at the airport;

Course Content:

- Prohibited Items, everyday objects and associated images.
- X-ray image analysis process.
- Imaging : Theory and practice.

Theoretical Part:

- Module 01: Introduction.
- Module 02: Basic knowledge in radioscopic imaging.
- Module 03: Prohibited articles, common objects, and associated images.
- Module 04: Radioscopic image analysis process.
- Module 05: Imaging theory and practice.

Practical Part:

- Identification of real images.
- Test kit.
- XRT4 Simulator - CASRA.

Target Population:

The target population will be all airport personnel likely to hold a position related to radioscopic imaging;

Entry Requirements:

Trainees must meet the following criteria:

- Have successfully completed secondary education or an equivalent level.
- Have written and oral command of the language of instruction.

