



ADDRESSING THE RISK OF IMPROVISED INCENDIARY DEVICES

As aviation grows, so do the risks. Recent incidents have shown that certain dangerous goods and flammable substances can be used to construct improvised incendiary devices (IIDs), creating new challenges for aviation security.

To address these challenges and risks, regulations on training of persons operating X-ray and EDS equipment (screeners) have been updated.

CASRA SOLUTION

To help aviation stakeholders, we have developed a new, dedicated computer-based training package focused on IIDs and related threats. This training package not only supports aviation stakeholders in building awareness and preparedness in security operations but also helps ensuring compliance with new regulatory requirements.

IMPROVISED INCENDIARY DEVICE TRAINING PACKAGE

All modules are delivered through an intuitive, user-friendly interface, designed to support effective learning and assessments. The training can be made available through your existing online or local version of X-Ray Tutor.

THEORETICAL PART

- › Overview of incidents including those involving incendiary substances or devices, and how they pose a threat
- › Insight into the specifics of different materials and how they can be assembled also in comparison to other threats
- › Visual examples of IID and threat components in reality and in X-ray images
- › Guidance how existing security screeners handle risks caused by incendiary substances
- › Knowledge test in a multiple-choice format

PRACTICAL PART

- › Screeners can train their X-ray image interpretation skills
- › They can choose the appropriate modules – cabin baggage, hold baggage, cargo, mail, and supplies screening

STANDARDISED IMAGE INTERPRETATION TEST

- › For assessing the X-ray image interpretation competency after screeners conducted the computer-based training
- › The image interpretation test contains target present and target absent images to mirror real screening environment
- › Target present images include a variety of threat objects

Contact us at customerrelations@casra.ch to discuss licensing and implementation options.

Official release: second half of September 2025 – but let's start planning now to ensure you're fully covered from day one.