



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

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COURSE BROCHURE

Improvised Explosive Device Awareness and Understanding

Law, Military Science and Security / Safety in Society

Unit Standard 258014 · NQF Level 5 · 12 Credits · 9 Days

COURSE OVERVIEW

This course equips learners with the knowledge to identify, assess, and respond to improvised explosive devices (IEDs) in various contexts. It covers the characteristics, components, and indicators of IEDs, as well as safety protocols and reporting procedures. The aim is to enhance workplace and public safety by fostering a proactive awareness of IED threats.

Category	Law, Military Science and Security
Subfield	Safety in Society
Unit Standard	258014
Accreditation	SAQA Accredited · NQF Level 5 · 12 Credits
Duration	9 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Identify the basic components and types of improvised explosive devices.
- Recognize common indicators and placement methods of IEDs.
- Apply appropriate safety procedures when encountering a suspected IED.
- Demonstrate proper reporting and communication protocols for IED incidents.
- Analyze the potential impact of IEDs on people, property, and operations.

WHO SHOULD ATTEND

- This course is designed for security personnel, facility managers, safety officers, and any individuals who may encounter IED threats in their professional environment.
- It is also suitable for members of the public seeking to improve their situational awareness and safety knowledge.

COURSE OUTLINE

Day 1: Introduction to Improvised Explosive Devices

- What is an IED? Definition and key characteristics
- Historical overview of IED usage
- Types of IEDs: pipe bombs, package bombs, vehicle-borne IEDs
- Legal framework: Explosives Act and relevant regulations
- Ethical considerations and the role of security personnel
- Basic terminology: initiator, main charge, power source, switch

Day 2: Explosives and Initiating Systems

- Classification of explosives: low vs. high explosives
- Common military explosives: TNT, RDX, PETN, C4
- Homemade explosives: ANFO, TATP, HMTD, urea nitrate
- Initiating devices: detonators, fuses, blasting caps
- Power sources: batteries, generators, solar panels
- Safety data sheets and handling procedures

Day 3: IED Components and Construction

- Main charge: selection and preparation
- Initiator: electric vs. non-electric
- Power source: batteries and alternative sources
- Switch/trigger mechanisms: pressure, command, time, victim-operated
- Container and concealment: common objects used
- Configuration examples: roadside bomb, suicide vest, letter bomb

Day 4: IED Detection and Identification

- Visual indicators: wires, antennas, fresh earth, unattended packages
- Detection equipment: metal detectors, X-ray scanners, explosive trace detectors
- Search techniques: grid search, line search, room search
- Behavioural indicators: surveillance, nervousness, unusual interest
- Case studies of IED detection failures and successes

Day 5: IED Incident Response Procedures

- Initial response: RONR (Recognise, Observe, Notify, Report)
- Evacuation distances and safe zones
- Cordon establishment and control
- Communication protocols with EOD (Explosive Ordnance Disposal)
- Medical triage and casualty evacuation
- Post-incident procedures and reporting

Day 6: IED Threat Assessment and Risk Management

- Threat assessment methodology: likelihood and impact
- Vulnerability assessment: access points, crowd density, infrastructure
- Risk mitigation: physical security, access control, surveillance
- Security planning: site surveys, security audits
- Case studies: high-profile IED attacks and lessons learned

Day 7: IED Disruption and Neutralisation Overview

- Disruption methods: water disruptors, explosive disruptors
- Neutralisation techniques: render safe procedures (RSP)
- Remote handling equipment: robots, manipulators
- EOD team structure and responsibilities
- Safety distances and protective equipment
- Legal and operational constraints

Day 8: IED Awareness in Specific Environments

- Urban IED threats: crowded places, buildings, vehicles
- Rural IED threats: roads, trails, agricultural settings
- Transport security: airports, train stations, ports
- Critical infrastructure: power plants, water facilities, government buildings
- Maritime and aviation specific IED considerations
- Case studies: IED attacks in various environments

Day 9: Integration and Scenario-Based Training

- Scenario-based exercises: tabletop and practical drills
- After-action reviews and debriefing
- Developing an IED awareness plan for an organisation
- Continuous improvement and training cycles
- Final assessment and feedback

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **12 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 35,000.00	R 35,000.00
1	In-House	R 45,500.00	R 45,500.00
1	On-Campus (Pretoria)	R 52,500.00	R 52,500.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	20 Aug 2026	On-Campus	Dubai, UAE
11 Aug 2026	21 Aug 2026	On-Campus	Pretoria, South Africa
12 Aug 2026	24 Aug 2026	On-Campus	Abu Dhabi, UAE
13 Aug 2026	25 Aug 2026	On-Campus	Durban, South Africa
13 Aug 2026	25 Aug 2026	On-Campus	Mauritius
14 Aug 2026	26 Aug 2026	On-Campus	Cape Town, South Africa
17 Aug 2026	27 Aug 2026	On-Campus	Pretoria, South Africa
18 Aug 2026	28 Aug 2026	On-Campus	Abu Dhabi, UAE

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

HOW TO GET A QUOTE OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 258014) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
2. **Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to apply@aaticd.co.za – our team will reply with a formal quotation.
3. **Apply by phone or WhatsApp:** call **+27 12 004 8389** or WhatsApp **+27 65 077 6310** and we will prepare your quotation and reserve your seats.
4. **Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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