



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

Bomb Disposal Operations and Procedures

Law, Military Science and Security / Safety in Society

Unit Standard 257275 · NQF Level 5 · 15 Credits · 12 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills required to safely and effectively conduct bomb disposal operations. Participants will learn to identify, assess, and render safe explosive devices in accordance with South African legal and safety standards. The course prepares individuals for roles in public safety, security, and emergency response.

Category	Law, Military Science and Security
Subfield	Safety in Society
Unit Standard	257275
Accreditation	SAQA Accredited · NQF Level 5 · 15 Credits
Duration	12 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply bomb disposal procedures in accordance with standard operating procedures and safety protocols.
- Analyze explosive devices to determine type, fusing system, and potential hazards.
- Evaluate the scene of a suspected explosive device to implement appropriate safety and evacuation measures.
- Demonstrate the safe handling, transportation, and disposal of explosive ordnance.
- Implement post-disposal procedures, including evidence preservation and reporting.
- Apply legal and ethical considerations relevant to bomb disposal operations in South Africa.

WHO SHOULD ATTEND

- This course is designed for security personnel, police officers, military personnel, emergency responders, and private security professionals who are or will be involved in bomb disposal operations.

COURSE OUTLINE

Day 1: Introduction to Bomb Disposal Operations

- History of bomb disposal and IED threats
- Career pathways and competencies for bomb disposal operators
- SAQA unit standard 257275 and related regulations
- Ethical considerations and code of conduct
- Safety culture and risk management principles
- Introduction to personal protective equipment (PPE)

Day 2: Explosives and Ordnance Recognition

- Chemistry of explosives: low vs high explosives
- Types of military ordnance: grenades, mines, projectiles
- IED components: power source, switch, initiator, main charge
- Commercial and homemade explosives
- Fusing systems: mechanical, electrical, electronic
- Hazard recognition and warning signs

Day 3: Threat Assessment and Risk Management

- Threat assessment models: CARVER, SVA
- Intelligence gathering and analysis
- Behavioral indicators of pre-attack planning
- Risk assessment matrices and decision-making
- Site security measures and access control
- Communication with command and stakeholders

Day 4: Search and Detection Techniques

- Search patterns: grid, spiral, zone
- Electronic search equipment: types and operation
- X-ray imaging and interpretation
- Canine search capabilities and limitations
- Search planning and resource allocation
- Reporting and evidence handling

Day 5: Personal Protective Equipment (PPE) and Tools

- Bomb suit components and levels of protection
- Helmet, visor, and communication systems
- Remote-controlled vehicles (RPV) and manipulators
- Water disruptors and disrupter charges
- Manual tools: hook and line, explosive ordnance disposal (EOD) kit
- Maintenance and pre-deployment checks

Day 6: Render Safe Procedures (RSP) for IEDs

- RSP methodology: assess, isolate, neutralize, dispose
- Power source identification and disconnection
- Initiator neutralization techniques
- Disrupter placement and firing procedures
- Remote manipulation and robotic RSP

- Post-neutralization evidence collection

Day 7: Explosive Ordnance Disposal (EOD) for Military Munitions

- UXO recognition: bombs, shells, grenades, mines
- Fuzing and arming mechanisms
- RSP for specific munitions: top-down, bottom-up approaches
- Demolition charge calculation and placement
- Safe handling and transport protocols
- Storage and inventory management

Day 8: Post-Blast Investigation and Evidence Collection

- Post-blast scene safety: structural integrity, secondary devices
- Evidence types: fragments, residues, timers
- Forensic analysis of explosive residues
- Photography and sketching techniques
- Chain of custody and evidence packaging
- Reconstruction and timeline analysis

Day 9: Chemical, Biological, Radiological, Nuclear (CBRN) Considerations

- CBRN threat agents and indicators
- Integrated CBRN and explosive response
- Detection equipment: chemical agent monitors, radiation pagers
- PPE for CBRN: level A to D suits
- Decontamination corridor setup
- Interagency coordination

Day 10: Command, Control, and Communications

- Incident command system (ICS) principles
- Roles: incident commander, safety officer, operations
- Communication equipment and protocols
- Resource management and logistics
- Public information and media handling
- Post-incident debriefing and after-action review

Day 11: Tactical Operations and Special Considerations

- Tactical EOD integration with SWAT
- Suicide bomber intervention techniques
- Vehicle-borne IED (VBIED) response
- Hostage situations with explosive threats
- Stress management and decision-making under pressure
- Legal use of force considerations

Day 12: Final Assessment and Course Review

- Written examination covering all modules
- Practical scenario-based assessment
- Individual and team performance evaluation
- Course review and Q&A;
- Certification requirements and next steps
- Course evaluation 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 **15 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 43,000.00	R 43,000.00
1	In-House	R 56,000.00	R 56,000.00
1	On-Campus (Pretoria)	R 64,600.00	R 64,600.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	25 Aug 2026	On-Campus	Dubai, UAE
11 Aug 2026	26 Aug 2026	On-Campus	Pretoria, South Africa
12 Aug 2026	27 Aug 2026	On-Campus	Abu Dhabi, UAE
13 Aug 2026	28 Aug 2026	On-Campus	Durban, South Africa
13 Aug 2026	28 Aug 2026	On-Campus	Mauritius
14 Aug 2026	31 Aug 2026	On-Campus	Cape Town, South Africa
17 Aug 2026	01 Sep 2026	On-Campus	Pretoria, South Africa
18 Aug 2026	02 Sep 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 257275) 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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