



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

Detailed Inspection Of Increased Safety Apparatus Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 110415 · NQF Level 2 · 3 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the specialized skills required to conduct detailed inspections of increased safety apparatus in hazardous locations. It covers the principles of explosion protection, inspection procedures, and compliance with South African and international standards. Successful delegates will be able to identify defects, assess equipment integrity, and ensure continued safe operation in explosive atmospheres.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	110415
Accreditation	SAQA Accredited · NQF Level 2 · 3 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply the principles of increased safety protection (Ex e) to inspection activities.
- Analyze equipment documentation and nameplate data to verify compliance with certification requirements.
- Evaluate the condition of enclosures, cable entries, and sealing devices against manufacturer specifications.
- Implement inspection schedules and record findings in accordance with relevant standards.
- Demonstrate correct use of inspection tools and techniques for increased safety apparatus.
- Assess the integrity of wiring systems and termination components for continued safe operation.

WHO SHOULD ATTEND

- This course is designed for electrical and instrumentation technicians, maintenance supervisors, and safety officers responsible for inspecting and maintaining increased safety equipment in hazardous areas.
- It is also suitable for engineers and inspectors seeking formal recognition of their inspection competencies.

COURSE OUTLINE

Day 1: Introduction to Increased Safety Apparatus and Inspection Principles

- Overview of explosion protection concepts and Ex e protection.
- Construction requirements for increased safety apparatus: enclosures, terminals, insulation, creepage distances.
- Legal framework: OHS Act, SANS 60079-14, SANS 60079-17.
- Types of inspections: initial, periodic, sample, and continuous supervision.
- Inspection procedures for increased safety apparatus: visual, close, and detailed.
- Common defects and deterioration mechanisms in Ex e equipment.
- Use of inspection checklists and documentation.
- Practical inspection exercise on sample Ex e equipment.

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 **3 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 12,800.00	R 12,800.00
1	In-House	R 16,600.00	R 16,600.00
1	On-Campus (Pretoria)	R 19,200.00	R 19,200.00

UPCOMING SESSIONS

Start	End	Method	Venue
04 Aug 2026	04 Aug 2026	On-Campus	Pretoria, South Africa
04 Aug 2026	04 Aug 2026	On-Campus	Lagos, Nigeria
05 Aug 2026	05 Aug 2026	On-Campus	Johannesburg, South Africa
06 Aug 2026	06 Aug 2026	On-Campus	Mauritius
07 Aug 2026	07 Aug 2026	On-Campus	Cape Town, South Africa
10 Aug 2026	10 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	11 Aug 2026	On-Campus	Abu Dhabi, UAE
12 Aug 2026	12 Aug 2026	On-Campus	Mauritius

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 110415) 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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