



Accredited Africa Training Institute for Capacity Development

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

Tel: +27 12 004 8389 · Mobile: +27 65 077 6310

Email: apply@aaticd.co.za · Website: www.aaticd.co.za

COURSE BROCHURE

Medium High Voltage Station Apparatus Inspection Recording Reporting Training

Physical Planning and Construction / Electrical Infrastructure Construction

Unit Standard 113969 · NQF Level 4 · 6 Credits · 3 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to inspect, record, and report on medium high voltage station apparatus. It ensures compliance with safety regulations and operational standards, enabling effective monitoring and maintenance of electrical infrastructure.

Category	Physical Planning and Construction
Subfield	Electrical Infrastructure Construction
Unit Standard	113969
Accreditation	SAQA Accredited · NQF Level 4 · 6 Credits
Duration	3 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply safety procedures and regulations when inspecting medium high voltage station apparatus.
- Analyze the condition of station apparatus using visual and functional inspection techniques.
- Evaluate inspection data to identify defects, wear, or potential failures.
- Record inspection findings accurately using standardized documentation methods.
- Compile and present inspection reports in compliance with organizational and regulatory requirements.
- Demonstrate the ability to prioritize maintenance actions based on inspection outcomes.

WHO SHOULD ATTEND

- This course is designed for electrical technicians, engineers, and maintenance personnel responsible for the inspection and reporting of medium high voltage station equipment.

COURSE OUTLINE

Day 1: Introduction to Medium High Voltage Station Apparatus

- Overview of MV/HV station apparatus (transformers, switchgear, circuit breakers, isolators, etc.)
- Purpose of inspection and reporting in asset management
- Safety procedures and PPE for station inspections
- Visual inspection techniques and common defect identification
- Introduction to condition assessment parameters (temperature, oil levels, corrosion, etc.)
- Regulatory framework: OHS Act, SANS standards, and SAQA unit standard 113969
- Documentation: inspection checklists and logbooks

Day 2: Inspection Techniques and Recording Methods

- Detailed inspection of transformers (oil level, temperature, bushings, tap changers)
- Inspection of switchgear and circuit breakers (SF6 pressure, operating mechanisms, contacts)
- Use of thermal imaging cameras, multimeters, and insulation testers
- Recording data: paper-based checklists vs. mobile apps/tablets
- Data interpretation: normal vs. abnormal readings, trends
- Identifying common defects: leaks, corrosion, loose connections, overheating
- Reporting thresholds and escalation procedures

Day 3: Reporting, Compliance, and Practical Integration

- Report structure: executive summary, findings, photos, recommendations
- Writing clear, objective, and actionable reports
- Quality control: peer review and verification of data
- Compliance documentation: legal and audit requirements
- Case studies: common inspection failures and corrective actions
- Simulated inspection exercise: complete process from site walk-down to report submission
- Course review and assessment preparation

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 **6 NQF credits** at **NQF Level 4**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 17,900.00	R 17,900.00
1	In-House	R 23,300.00	R 23,300.00
1	On-Campus (Pretoria)	R 26,800.00	R 26,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	12 Aug 2026	On-Campus	Pretoria, South Africa
10 Aug 2026	12 Aug 2026	On-Campus	Mauritius
11 Aug 2026	13 Aug 2026	On-Campus	Abu Dhabi, UAE
11 Aug 2026	13 Aug 2026	On-Campus	Cape Town, South Africa
12 Aug 2026	14 Aug 2026	On-Campus	Durban, South Africa
12 Aug 2026	14 Aug 2026	On-Campus	Dubai, UAE
17 Aug 2026	19 Aug 2026	On-Campus	Harare, Zimbabwe
17 Aug 2026	19 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 113969) 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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