



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

Medium And High Voltage Line Hardware Identification Assembly Training

Physical Planning and Construction / Electrical Infrastructure Construction

Unit Standard 113872 · NQF Level 2 · 4 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the knowledge and skills to identify and assemble hardware components used in medium and high voltage overhead lines. It covers the correct selection, handling, and assembly of line hardware to ensure safe and reliable electrical infrastructure.

Category	Physical Planning and Construction
Subfield	Electrical Infrastructure Construction
Unit Standard	113872
Accreditation	SAQA Accredited · NQF Level 2 · 4 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Identify and classify various hardware components used in medium and high voltage overhead lines according to industry standards.
- Demonstrate correct assembly techniques for line hardware, including insulators, conductors, and fittings.
- Apply appropriate safety procedures and personal protective equipment during hardware identification and assembly tasks.
- Analyze hardware specifications and select suitable components for given line configurations.
- Evaluate the condition of existing hardware and recommend replacements or repairs as necessary.
- Implement proper torque and tensioning methods to ensure secure and durable assemblies.

WHO SHOULD ATTEND

- This training is designed for electrical technicians, lineworkers, and maintenance personnel involved in the construction, maintenance, or repair of medium and high voltage overhead power lines.

COURSE OUTLINE

Day 1: Introduction to Medium and High Voltage Line Hardware Identification and Assembly

- Overview of medium and high voltage overhead lines and hardware categories.
- Identification of insulators, conductors, connectors, dampers, and fittings.
- Safety precautions and personal protective equipment (PPE) for hardware assembly.
- Tools and equipment used in hardware assembly (e.g., torque wrenches, crimping tools).
- Assembly procedures for typical hardware assemblies (e.g., dead-end, suspension, tension).
- Torque specifications and tightening sequences according to standards.
- Quality checks and inspection criteria for assembled hardware.
- Documentation and reporting of assembly activities.

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 **4 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
06 Aug 2026	06 Aug 2026	On-Campus	Cape Town, South Africa
07 Aug 2026	07 Aug 2026	On-Campus	Dubai, UAE
10 Aug 2026	10 Aug 2026	On-Campus	Abu Dhabi, UAE
11 Aug 2026	11 Aug 2026	On-Campus	Durban, South Africa
11 Aug 2026	11 Aug 2026	On-Campus	Mauritius
12 Aug 2026	12 Aug 2026	On-Campus	Cape Town, South Africa
13 Aug 2026	13 Aug 2026	On-Campus	Dubai, UAE
14 Aug 2026	14 Aug 2026	On-Campus	Pretoria, South Africa

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 113872) 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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