



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

Low Voltage Hardware Identification Handling And Assembly Training

Physical Planning and Construction / Electrical Infrastructure Construction

Unit Standard 113870 · NQF Level 2 · 4 Credits · 1 Day

COURSE OVERVIEW

This course equips participants with the skills to correctly identify, handle, and assemble low voltage hardware components in accordance with industry standards. It covers the practical aspects of working with low voltage systems, including safety protocols and proper assembly techniques. By the end of the course, learners will be able to perform hardware identification and assembly tasks confidently and efficiently.

Category	Physical Planning and Construction
Subfield	Electrical Infrastructure Construction
Unit Standard	113870
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 various low voltage hardware components and their specifications.
- Demonstrate correct handling procedures to prevent damage to hardware components.
- Apply safety standards and regulations when working with low voltage systems.
- Assemble low voltage hardware components into functional systems following manufacturer guidelines.
- Test assembled systems to verify correct operation and troubleshoot common issues.
- Document assembly procedures and component specifications for maintenance records.

WHO SHOULD ATTEND

- This course is designed for technicians, electricians, and installers who work with low voltage systems in telecommunications, security, or building automation environments.
- It is also suitable for newcomers seeking foundational skills in low voltage hardware handling.

COURSE OUTLINE

Day 1: Low Voltage Hardware Identification, Handling and Assembly

- Introduction to low voltage hardware: types and applications.
- Identification of components: connectors, terminals, cables, and enclosures.
- Handling procedures: ESD precautions, storage, and transport.
- Assembly techniques: crimping, soldering, and tightening.
- Use of tools: wire strippers, crimpers, multimeters.
- Safety standards: SANS 10142-1 and relevant OHS Act requirements.
- Quality checks: continuity testing and visual inspection.
- Documentation: assembly records and labeling.

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
04 Aug 2026	04 Aug 2026	On-Campus	Cape Town, South Africa
05 Aug 2026	05 Aug 2026	On-Campus	Dubai, UAE
06 Aug 2026	06 Aug 2026	On-Campus	Pretoria, South Africa
06 Aug 2026	06 Aug 2026	On-Campus	Lagos, Nigeria
07 Aug 2026	07 Aug 2026	On-Campus	Johannesburg, South Africa
10 Aug 2026	10 Aug 2026	On-Campus	Cape Town, South Africa
11 Aug 2026	11 Aug 2026	On-Campus	Dubai, UAE
12 Aug 2026	12 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 113870) 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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