



POWER AND ELECTRICAL TRAINING

High Voltage Switching and Operating Authorisation

5 day course

Classroom, online or in-house

Course overview

Switching errors kill people and destroy plant, and they are made by competent staff working from an instruction that was ambiguous or a diagram that was out of date. This course covers the discipline that prevents that. Delegates work through the operating authorisation structure and what a person is authorised to do at each level, network diagrams and the discipline of keeping them current, and switching schedule preparation and the independent check before it is issued. Isolation, earthing and proving dead are covered in full. Permits to work, sanctions for test and their interaction with the switching programme follow. Emergency and abnormal switching are addressed. The course closes on incident investigation and on restoring after an error.

What you will learn

- Explain the operating authorisation structure and its levels
- Work from network diagrams and keep them current
- Prepare a switching schedule and subject it to independent check
- Isolate, earth and prove dead correctly
- Issue permits to work and sanctions for test
- Carry out emergency and abnormal switching safely
- Investigate a switching incident and restore afterwards

Who should attend

- Authorised persons and senior authorised persons
- Control room and network operations staff
- Substation operators and technicians
- Electrical engineers responsible for operating procedures
- Safety officers auditing switching practice

Course outline

- 01 Competent staff and an ambiguous instruction
- 02 Operating authorisation levels
- 03 Network diagrams and currency
- 04 Switching schedule preparation
- 05 Independent checking
- 06 Isolation, earthing and proving dead
- 07 Permits to work and sanctions for test
- 08 Emergency switching, incidents and restoration

Upcoming dates

Dates	Venue	Format	Fee per delegate
5 to 9 October 2026	Addis Ababa, Ethiopia	Classroom	USD 1,325
21 to 25 December 2026	Lagos, Nigeria	Classroom	USD 1,325
11 to 15 January 2027	Gaborone, Botswana	Classroom	R19,950
22 to 26 February 2027	Online	Online	R8,500



Fees and how to register

This 5 day course is **R8,500** per delegate online, **R19,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 1,325** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriscience.co.za, or WhatsApp us on **+27 63 479 1136**.

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