



POWER AND ELECTRICAL TRAINING

Grid Code Compliance and Generator Connection

5 day course

Classroom, online or in-house

Course overview

Connecting a generator to a network is a regulated process with technical requirements that determine plant design, and projects routinely discover them after the equipment has been ordered. This course covers them upfront. Delegates work through the grid code structure and which requirements apply to which category of generator, the connection application process and the studies a network operator requires, and the technical requirements themselves: reactive capability, voltage and frequency ride through, and frequency response. Protection and control interface requirements are covered. Compliance testing and the evidence a network operator will accept follow. Renewable specific requirements are addressed. The course closes on ongoing compliance obligations and on the consequence of failing a compliance test after commissioning.

What you will learn

- Identify which grid code requirements apply to a given generator
- Complete a connection application and commission the required studies
- Design for reactive capability and voltage control requirements
- Meet voltage and frequency ride through obligations
- Provide frequency response where required
- Meet protection and control interface requirements
- Plan compliance testing and maintain ongoing obligations

Who should attend

- Independent power producer technical staff
- Utility connection and network planning engineers
- Renewable project developers and consultants
- Protection and control engineers
- Regulators and system operator personnel

Course outline

- 01 Requirements discovered after the order is placed
- 02 Grid code structure and generator categories
- 03 Connection application and studies
- 04 Reactive capability and voltage control
- 05 Voltage and frequency ride through
- 06 Frequency response requirements
- 07 Protection and control interface
- 08 Compliance testing, evidence and ongoing obligations

Upcoming dates

Dates	Venue	Format	Fee per delegate
19 to 23 October 2026	Cape Town, South Africa	Classroom	R19,950
14 to 18 December 2026	Johannesburg, South Africa	Classroom	R19,950
15 to 19 March 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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