



TRANS-AFRICA PROJECTS

Power Generation | Transmission | Distribution

Overhead Line Maintenance

3 DAY COURSE (3 CPD Credits) | Presented by leading TAP and ESKOM professionals



About the Course

COURSE DESCRIPTION AND LEARNING OBJECTIVES

Overhead Line Managers face ever growing challenges to keep their lines maintained to a high degree of reliability in the African environment. Reliability of power supply continues to be challenged by age and environmental factors which may cause ongoing deterioration of infrastructure. Coupled with this, we have seen an increase in vandalism and member theft, which has led to unplanned loss of supply. This, in an environment where much needed generation expansion has placed greater cost pressures on all other aspects power delivery.

What technology exists to manage these challenges in a cost effective manner? What is the state of the art in maintenance practices? What are the key trends on grids felt today will shape the operational practices of tomorrow? What design practices lead to more reliable, durable overhead lines? Over 3 days, a team of experts in the industry will provide answers to these questions, and to provide a solid base for those in management and the practice of overhead line maintenance.

WHO SHOULD ATTEND?

- ▶ Engineers, technologists, technicians and managers working in the overhead line design, construction, operation and maintenance areas.
- ▶ Utility staff in system planning, operations or research areas.
- ▶ Staff of manufacturers, consultants and learning institutions.

COURSE MATERIAL

Delegates will receive a set of electronic notes and writing material. Videos illustrating examples and experiences of the topics discussed will be shown where necessary. Practical work examples will be explained and discussed.

COURSE CONTENT

- ▶ Major network incidents causes and prevention
- ▶ Ground based overhead line inspections & audits
- ▶ Evolution of maintenance practices
- ▶ Deadline maintenance techniques
- ▶ Live line maintenance techniques
- ▶ Emergency restoration in distribution and transmission environments
- ▶ Corrosion & corrosion protection
- ▶ Detection, repair and prevention of sub-surface foundation corrosion
- ▶ Mitigation against member and conductor theft
- ▶ Aerial line inspections – Experiences with manned and early UAV's
- ▶ Servitude fires & vegetation management
- ▶ Ground erosion protection and maintenance techniques
- ▶ Management of bird interaction with overhead lines
- ▶ Operations from National Control Centre perspective and site visit
- ▶ Emerging robotic and remote inspection technologies for overhead lines
- ▶ Maintenance of high voltage insulators for overhead lines



REGISTRATION INFORMATION

Delegates are responsible for their own travel and accommodation arrangements. The names of nearby accommodation will be provided if requested.

Registration material will be available at 07:30 on the first day of the course. The formal programme will commence at 08:00 and end at approximately 17:00 every day.

Location:

- ▶ Eskom Academy of Learning ,Dale Road P/Bag X13, Midrand, 1685

(Map will be supplied upon registration)

REGISTRATION FEE SCHEDULE

Individual registration

R15 000 (excluding VAT)

Eskom employees receive a 10% discount

10% Group discount (five or more delegates from the same company)

Note: Registration will be accepted on a first come, first served basis. Enrollment for each course is limited to a minimum of 10 delegates and a maximum 20 delegates, advanced registration is required. The registration fee covers the three-day course, course materials, and refreshments during all course breaks. The registration and payment/purchase order deadline is 20 business days prior to the course start date. To register, please complete the attached form and return it to: training@taprojects.co.za

** Attendance will only be confirmed once the registration form and payment/purchase order has been received.*

Terms & Conditions

The responsible person booking or authorising the attendance of the training event will be liable to adhere to these Terms and Conditions.

Payment Terms

Payment needs to be made within 20 working days from date of invoice or prior to the training start date, whichever is sooner.

The delegate is responsible to ensure Trans-Africa Projects (Pty) Ltd is notified via the booking form if a Purchase Order or Vendor Application is required before payment can be authorised by the delegate's principal.

Rescheduling of booking

Rescheduling of a booking will be allowed if there is an available seat at the next scheduled training course. Rescheduling of a booking will be allowed once only. The delegate is still liable for payment of the original invoice associated with the original booking. There will be no credit notes issued for rescheduling of the training course, unless caused by TAP.

The request to reschedule a booking needs to be provided in writing to training@taprojects.co.za within 10 working days prior to the start date of the training course. Failing to do so will automatically be treated as a cancellation.

The delegate will be registered for the next available course.

Cancellation of booking

Notification of cancellation of attendance must be made in writing to training@taprojects.co.za

Cancellation requests received less than 10 working days prior to the start date of the training course will incur the full cost of the training course.

Cancellation request received between 10 to 15 days prior to the start date of the training course will incur a cancellation fee of 50% of the full cost of the training course.

Substitution of booking

Delegates will be allowed one substitution for the training course. TAP must be notified in writing at least 7 days prior to the training starting date.

Non-attendance of booked training intervention

No refund for non-attendance.

General

TAP reserves the right to cancel the course, change the course location. In the event that the course must be cancelled, the delegate will be informed 7 days prior to the commencement of the training course and receive a full refund.

By sending your booking form to TAP, you agree to the above terms and conditions.