## Wood pole inspection Contract

## Scope of work

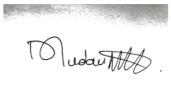
The Provision of inspection and treatment of wooden poles in Eskom Distribution Network, on an as-and-when required basis for a period of 3 years in Gauteng Cluster.

- The test and inspection, preventative and corrective maintenance activities are included, based on the outcome of Failure Modes, Effects and Criticality Analyses (FMECAs).
- Purpose of wood poles is to attach live apparatus and associated hardware at safe working clearances as defined by the OHS Act

LV, MV or HV lines using wood poles are designed with a minimum life span of 25 years, providing an acceptable maintenance plan is in place where the wooden poles are inspected and treated with a chemical that can sustain the wood without degradation until the next inspection cycle takes place. The wood poles are to be 100% available for the life of the line.

- Maintenance requirements include ; test and Inspection requirements, Preventative Maintenance based on condition / duty, Preventative Maintenance based on time, Corrective maintenance, and Statutory maintenance.
- Maintenance logistic requirements (maintenance spares, Special tools and facilities)
- Asset Health requirements
- Asset performance requirements
- Manage Asset Excursions
- In addition, an aging analysis shall be performed to indicate the design life of wooden poles and factors that shall contribute to the acceleration of the life of wood poles.

  Activities should include:
  - Inspect for impact damage.
  - Inspect for lightning damage.
  - Inspect for damage caused by veld fires.
  - Test pole for termite damage using a standard pole drill test
  - Test pole for wood rot using a standard pole drill test
  - Test pole for wood fungal attack using a standard pole drill
  - Inspect pole for avian attack or birds nesting
  - Inspect pole for stress fractures.
  - Inspect pole for vandalism.
  - Pole Treatment (class 2)



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