



To qualify for Eskom's Virtual Wheeling solution, all meters used must meet the following requirements. Eskom's approval of the meters will not be unreasonably withheld, provided they adhere to these standards:

Compliance Standards

- Meters must comply with SANS474, the South African National Standard for electricity metering, ensuring accuracy and performance.
- Alternatively, meters can adhere to Eskom's internal specifications, which ensure the meters meet the utility's performance and reliability requirements.

Minimum Meter Features

- Class 1 (kWh) Accuracy: Required for meters with loads of less than 100 kVA.
- Class 0.5S (kWh) Accuracy: Required for meters with loads of 100 kVA or more.

Data Storage & Collection

- Meters must record data at intervals of at least 60 minutes, with 30-minute intervals preferred for more detailed tracking.
- Meters must have the ability to store data on-board to recover consumption records following any communication outages.
- Meters must support remote data collection to allow for automated reading and reporting without the need for physical meter checks.

Calibration

- All meters must have a valid calibration certificate from the Original Equipment Manufacturer (OEM), confirming their accuracy and ensuring compliance with Eskom's metering standards.

Buyer Responsibility

- The buyer is responsible for ensuring that all meters used to claim energy consumption conform to the above minimum requirements.

Onboarding Procedure - Direct Connect Meters

- Complete "1. LIST OF OFF TAKERS & METERS" tab in the form called **OFF TAKER AND METER SUBMISSION TEMPLATE_ESKOM VIRTUAL WHEELING**
- Individual approvals per meter from Eskom are not required if:
 - Eskom has inspected a typical installation and confirmed that the installation method is acceptable.
 - "Direct Meter onboarding data" is stored on the VWP per meter and accessible to Eskom at any time.
- The buyer is responsible for any under-reporting of consumption, and no claim can be made to Eskom for such discrepancies.
- The buyer must provide a typical meter configuration file to Eskom.

Onboarding Procedure CT Connect Meters

- Complete "1. LIST OF OFF TAKERS & METERS" tab in the form called **OFF TAKER AND METER SUBMISSION TEMPLATE_ESKOM VIRTUAL WHEELING**
 - A completed checklist and meter commissioning sheet is required for each meter installation as per "2. CT METER COMMS SHEET" tab in the form called "OFF TAKER AND METER SUBMISSION TEMPLATE_ESKOM VIRTUAL WHEELING_V1 NOVEMBER 2025"
 - Applications with missing checklist information will be rejected.
 - Each CT meter installation requires:
 - A checklist completed by a qualified individual.
 - Supporting documents, including:
 - Meter calibration certificate (if available)
 - Single Line Diagram (SLD) for meter installation
 - Meter configuration file (original software and Acrobat version)
 - inspection.

Onboarding Process Flow:

- Buyer: Complete the form called **OFF TAKER AND METER SUBMISSION TEMPLATE_ESKOM VIRTUAL WHEELING**
- Buyer: Submits the form with required supporting documents.
- Eskom: Reviews the submission.
- Eskom: Approves or rejects the submission.
- Buyer: Onboards the meter on VWP (if approved) or updates and resubmits (if rejected).

Meter Audits

- Eskom reserves the right to audit any meter installation at any time. The audit process includes:
 - Eskom provides a 3-week advance notice to the buyer before any audit.
 - Eskom provides a list of meters to be audited at least 2 weeks in advance.
 - Audit Steps include
 - Selected meters will be accessed remotely for historical data extraction (with buyer's assistance under Eskom supervision).
 - Raw meter data will be compared to data used in VWP for claims.
 - If discrepancies exceed 0.5% (of monthly kWh/ToU), Eskom may request a physical inspection.