



Presents

PREPAID METER **TRAINING**

Presented by

ESKOM

1 – 5 November 2010

The Prepaid Metering Training Workshop has been designed specifically to cover the requirements of PIESA utility members. The "Non technical loss Reduction Working Group "of the PIESA has identified this training requirement as a priority by PIESA members, and was subsequently approved by the Board to be conducted in 2010.

The training modules cover all aspects of prepaid meters and these have already been utilised by several power utilities as well as some private contractors. The course consists of several separate modules which are currently available to members, but not all modules have to be done by everybody, only the modules that are required by specific groups of people can be done.

The course will include an introduction into the Standard Transfer specification and make delegates aware of the benefits of the STS, in brief, the STS is a secure message protocol that allows information to be carried between prepayment meters and point of sale equipment and it caters for several message types such as credit, configuration control, display and test instructions. It further specifies devices and codes of practice that allows for the secure management (generation, storage, retrieval and transportation) of cryptographic keys used within the system.

Date: 1 – 5 November 2010

Time: 08:00 – 16:30

Venue: Eskom Academy of Learning
Dale Road
Midrand
Johannesburg
South Africa

Cost:

- PIESA Members will only pay for accommodation and flights to South Africa.
- PIESA will be responsible to collect delegates from airport and transport to official hotel or Eskom accommodation.
- PIESA will provide transport to and from Eskom every day and

site visits etc.

- **PIESA will arrange one night outing.**

**Registration
&**

Please note that each Utility Member may not send more than three delegates as space is limited.

Cancellation:

Send your completed registration form (also attached) to Danielle Dahlmann by 14 October 2010. Email danielle@vdw.co.za or Fax: 011 789 1385

Should you wish to cancel your registration, notice must be given in writing no later than 48 hours.

The programme will cover the following aspects of prepayment metering

- Introduction to the STS
 - Establishment
 - Benefits of STS Membership
 - STS Compliance and Certification
 - IEC Documents
- Prepayment Evolution
 - Prepaid meters
 - Vending Systems
- Introduction to Prepaid Meters
 - Categories of prepaid metering types.
 - Differences in prepaid meters
 - Features of various prepaid meters
- Basic STS
 - Overview of the STS
 - STS Definitions
 - Credit token transfers
 - Trouble Shooting
- Installation and Commissioning
 - MATS (meter asset tracking system)
 - Installation of prepaid meters
 - Commissioning of prepaid meters
- Fault finding
 - Testing of meters on site
 - Removal and replacement of faulty meters
 - Documentation
- Vending Systems
 - PSG (Prepayment support gateway)
 - Different roles in PSG
 - Reports
- Online Vending
 - Remote Vending
 - Process of token generation by contracted parties

Site Visits to:

- Vending Station
- Field Services
- Customer Services.
- Manufacturer

WHO SHOULD ATTEND

The training is aimed at engineers, technicians, financial controllers, accountants and customer relations managers

ABOUT THE COURSE PRESENTERS

Naughty Kgomo



Industry Association Resource Centre Technical Training

Eskom Training department

- 1) Eskom Generation Training
- 2) Eskom College C and I & electronics Facilitator
- 3) Eskom Distribution Technology Low Voltage Training

OUTPUTS : Development of Low Voltage Training Standard

: Development and revision of Training Manuals as per new Technology

: Train the Trainers

: Evaluation of Training Centres

Lenny Ricardo Diakude



Electricity Delivery Network Services Technology Engineer

Senior Technician (2000-2001)

Responsible for prepayment metering support. Co-ordinating pilot site in the Nelspruit area. Ad-hoc training for Field Services staff performing maintenance on Prepayment metering System

Technology Engineer (2001 - present)

Responsible for prepayment metering development for the Northern Region based in Pretoria. Testing of new prepayment metering products by conducting pilot site tests. Technical support for Senior Technicians inclusive of training on new prepayment products. Technical evaluations of tenders.

Winnie Makgoale



Prepayment Technology Engineer

Electricity Delivery Network Services - Polokwane

OUTPUTS : Technology Engineer – Prepayment
: Electricity Delivery Network Services – Nelspruit
: 01 December 2008 - to date



PIESA SECRETARIAT

011 789-1384

www.piesa.com