



MINUTES OF THE SARPA GOOD HOPE BRANCH'S 87<sup>TH</sup> GENERAL MEETING HELD AT ALLESVERLOREN, ON THE R311 OFF THE R46, BETWEEN RIEBEEK KASTEEL AND RIEBEEK WEST ON THURSDAY 16 AUGUST 2018 AT 14:00.

NOTULE VAN DIE SARPA GOEIE HOOP-TAK SE 87<sup>STE</sup> ALGEMENE VERGADERING WAT OP DONDERDAG, 16 AUGUSTUS 2018 OM 14:00 BY ALLESVERLOREN, OP DIE R311 VANAF DIE R46, TUSSEN RIEBEEK KASTEEL EN RIEBEEK WES GEHOU IS.

### ATTENDANCE / BYWONING

#### MEMBERS / LEDE

V Padayachee (Vally)	- AMEU (vally@vdw.co.za)
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T Swanepoel (Toppie)	- SARPA (for Rens Bindeman)
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FH du Toit (Francois)	- Theewaterskloof (francoisdu@twk.org.za)

## **AFFILIATES**

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- |                     |   |   |
|---------------------|---|---|
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| Al Theron (Adriaan) | - | Tank Industries (adriaan.theron@tank.co.za) |
| K van Eeden (Kobus) | - | Tank Industries (kobus.vaneeden@tank.co.za) |

## **RETIRED MEMBERS**

- |                               |   |  |
|-------------------------------|---|--|
| N Ballantyne (Neil) Secretary | - | Honorary member (nballantyne@cybersmart.co.za) |
| FJC Koegelenberg (Floris)     | - | Retired member (floriskoegelenberg@gmail.com)  |

## **1. OPENING AND WELCOME / OPENING EN VERWELKOMING**

### **1.1 Opening / Opening**

The Chairman welcomed all to the meeting and the meeting was opened with a prayer.

### **1.2 Arrangements / Reëlings**

The Chairman advised that tea/coffee would be served at 15:30, and a supper has been arranged for 19:00 at the the same venue.

### **1.3 Acknowledgements / Bedankings**

The Chairman thanked the Swartland Municipality and staff, and Gareth Smit for all the arrangements for the meeting. He also thanked all the Affiliates for their generous sponsorship which makes these meetings possible.

### **1.4 Announcements / Aankondigings**

None

## **2. APOLOGIES / VERSKONINGS**

- |                           |   |   |
|---------------------------|---|---|
| JP van Niekerk (Johannes) | - | Theewaterskloof (johannesva@twk.org.za)                   |
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| D Tarr (Dave)             | - | Landis & Gyr (dave.tarr@landisgyr.com)                    |
| L Lerm (Leon)             | - | LL Energy (leon@llenergy.co.za)                           |
| PJF Fouche (Phillip)      | - | Lucy Electric (phillip.fouche@lucyelectric.com)           |
| R St John (Rick)          | - | Lucy Electric (rick.stjohn@lucyelectric.com)              |
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| JH Götze (Hugo)           | - | Motla (hugog@motla.co.za)                                 |
| J Mtimkulu (Joyce)        | - | Motla (joycem@motla.co.za)                                |
| I Kilian (Ivar)           | - | Ontec (ivar.kilian@ontec.co.za)                           |
| G Hoffman (Gert)          | - | Siemens (gert.hoffman@siemens.com)                        |
| J Pereira (Jorge)         | - | Honorary member (jorgepereira43@yahoo.co.za)              |
| JJG Nel (Johan)           | - | Honorary member (neljgg@gmail.com)                        |

## **3. CHANGE OF ADDRESS / ADRESVERANDERINGS**

Gareth Smit has moved to Schneider Electric

4. **CONFIRMATION OF THE MINUTES OF THE SARPA GOOD HOPE BRANCH'S 86<sup>TH</sup> GENERAL MEETING HELD AT HOMEGROWN BAKERY CAFÉ, 1924 PHILLIP STREET, CERES ON THURSDAY 10 MAY 2018 AT 14:00.**

**BEKRAGTIGING VAN NOTULE VAN DIE SARPA GOEIE HOOP TAK SE 86<sup>STE</sup> ALGEMENE VERGADERING GEHOU OP DONDERDAG, 10 MEI 2018 OM 14:00 BY HOMEGROWN BAKERY CAFÉ, PHILLIP STREET 1924, CERES.**

4.1 Copies of the minutes of meeting had been circulated to all members.

4.2 The adoption of the minutes was accepted by the meeting.

5. **MATTERS ARISING FROM THE MINUTES AND NOT ON THE AGENDA  
SAKE VOORTSPRUITEND UIT DIE NOTULE EN NIE OP DIE AGENDA NIE**

None.

6. **ADDITIONAL ITEMS TO BE DISCUSSED UNDER ITEM 10 –MEMBERS' FORUM  
BYKOMENDE ITEMS VIR BESPREKING ONDER ITEM 10 – LEDE SE BESPREKINGS FORUM**

None.

7. **CORRESPONDENCE / KORRESPONDENSIE**

None

8. **REPORTS / VERSLAE**

8.1 **Executive Committee Report (Rens Bindeman)**

**(See presentation 8-1)**

- No Executive Council meeting had been held since the last Good Hope Branch meeting
- Update was given:
- SALGA 2018Innovation booklet available
- There has been positive interaction with COGTA
- Presentations and interactions with other organisations has taken place
- Invitation by National Press Club to hold a media brief has been received
- Interaction taken place with many roleplayers
- Executive issues – meeting to be held with internet connection to boost attendance at meetings
- Funding mechanism for revenue protection operations proposed
- Assistance for better attendance at branch meetings discussed
- Branch developments mentioned and successes given
- Standardisation:
  - o NRS055 & NRS101 – Documents still being developed
  - o Standard cable marking – SANS1741:2016 Edition 1 to be issued soon
    - Purpose of standard covered with the benefit gained there from listed
    - Contents of standard shown
- Training initiatives discussed
- Infrastructure crimes
  - o Issues highlighted
  - o Sensitising session held in all areas except Northern Cape
  - o Remember to use Crime Code 3200 when reporting case to SAPS
- 2018 Convention to be held in Bellville, Cape Town on 23/24 August 2018
- The events calendar was shown.

## **9. PRESENTATIONS**

### **9.1 “Revenue assurance through the Metering Process” – Charmain Peter – IST**

(See presentation 9-1)

- Need to see energy consumption to prevent losses and deal with recoveries
- Best to have a remote metering system to achieve this
- Customers can also access profile information via AMR system
- AMR can reveal problem on metering installations and pick up tampering and missing meters
- Customers are pushing for automation
- “Big data” is here – allows analysis of customers’ habits
- Meters are the heartbeat of the municipalities
- Ecwin is IST’s AMR system
- Use a common platform to integrate systems
- Revenue assurance is possible – small things add up to big revenue
- Need to focus on “small cheats” rather than “big cheats”
- Social acceptance example given in relation to tampering

### **9.2 “Opportunities for revenue management within an Advanced Distribution Monitoring system” – Willie van Wyk – CT Lab**

- Introduction of process – digitisation of electrical networks using recorders
- Departments of an organisation have their own needs
- CT Lab approach was explained – Collect data and decentralise so individuals who need certain data can access it
- Pioneering concept for smarter transmission and distribution systems
- Consider an advanced monitoring device when moving to statistical metering at the distribution level.

### **9.3 “Public Lighting Solutions” – Carel Erasmus – Powermatla Innolumis**

(See presentation 9-3)

- Background of LED lighting explained and history of its development given in relation to public lighting
- Partners in this public lighting initiative given
- Awards and endorsements shown
- Promises made by LED lighting listed
- LEDs are a very directional light source
- Luminaires are important to produce good light distribution
- Weight of the fittings is important
- Features of luminaires given and explained
- Range of fittings available shown
- Photopic concept explained
- Three mesopic light colours explained – golden green, moonlight, white moonlight
- Unique LED technology
- Minimises amount of light needed on public roads
- Specialities explained
- Golden orange light is also possible
- Will follow up at the next meeting with further developments that are unfolding
- Funding models are available – will be presented at the next meeting.

### **9.4 Swartland Municipality’s experiences with revenue protection initiatives – Belinda Marais**

(See presentation 9-4)

- Successful revenue protection plan is needed
- What causes losses was listed
- Human resources needed and characteristics required were given
- Revenue protection is a passion – need a good driver to succeed in revenue protection
- Problems encountered were explained
- Photos of tampering shown

- Strategy that was rolled out to reduce losses was explained
- One stop service to customers has been achieved
- Technical and non-technical losses over the years was shown
- Resultant savings of R8.15m per year achieved
- Thanks expressed to all stakeholders.

## 10. **MEMBERS' FORUM:**

### 10.1 **"TID rollover of STS prepayment meters" – Don Taylor – Chairman of STS Association** (See presentation 10-1)

- Aim of presentation is to inform all of the facts regarding the TID roll over of prepayment meters
- It is a serious matter and is going to happen!
- Issue is the 20 digit token
  - o TID is unique for each meter
  - o Calculates the number of minutes elapsed since 1992
- The limitations of the TID are:
  - o The TID is encoded into the token as a 24-bit binary number
  - o It has a limited range of 31.9 years
  - o In November 2024 the TID will reset (roll over) to zero
  - o Any new tokens after this date will not be accepted by the meter as the meter will consider these as being "OLD"
- The remedy to address this TID roller challenge is to clear the meter's memory of previously accepted TIDs and to change the meter's cryptographic key at the same time in order to prevent token replay. The AMEU will be working closely with the STS Association to assist its members in alleviating the impact.
- Need to visit the meter to change the cryptographic key or give customer the code to enter to achieve this
- 20 digit number results in time limitation to roll over
- Security has improved since 1992. Need to move to current security levels
- So need to clear meter memory and increase security level at the same time
- Meter certifications prior to 2014 was covered
  - o There is a small risk that some meters might not behave correctly when TID roll over key is changed
- Action plan presented
  - o Update vending systems to STS 600 4-2 compliance
  - o New meters should be purchase that are on base date 2014
  - o Identify non-compliant meters
  - o Key change on every meter in the field to extend its life to 2045
- Key change operation was discussed – two options are available
- TID conservation – extending minute interval to 10 minutes – is not supported by STS Association – reasons given – security is a big issue with this
- Supply of secure modules was discussed
- Pricing of secure modules covered
- For supply visit website <http://www.sts.org.za> or e-mail Don Taylor at [dt@almegatec.co.za](mailto:dt@almegatec.co.za) .

### 10.2 **Provincial Police infrastructure theft statistics:**

Paul de Vries reported on the statistics for infrastructure theft cases in the Western Cape for:

- April 2018 – (See presentation 10-2a)
- May 2018 - (See presentation 10-2b)
- June 2018 with figure for the preceding 12 months - (See presentation 10-2c)

It is vital to use the Crime Code 3200 when reporting theft cases to SAPS so all municipal statistics are correctly recorded

Hotspots were highlighted – both national and local.

### 10.3 Other discussion

#### **Non-destructive testing of high mast lighting structures – Neil Dublin – Global Spec (See presentation 10-3)**

- Managing Director of the company, Paul Clarence, was introduced
- Company overview was given
- Services offered were listed and photographs shown
- Examination of high mast poles to prevent catastrophic failures is essential
- Some fatalities have occurred where high mast poles have collapsed
- Testing procedures were explained and remedial action carried out
- Control document is issued for record purposes
- Risk categories given and discussed
- Types of faults found were listed
- Recommendations for proactive maintenance was listed.

#### **11. ITEMS HELD OVER FOR DISCUSSION FROM PREVIOUS GENERAL MEETING ITEMS WAT OORSTAAN VIR BESPREKING VAN DIE VORIGE ALGEMENE VERGADERING**

None

#### **12. MATTERS FROM OTHER PROVINCES**

None

#### **13. GENERAL / ALGEMEEN**

None

#### **14. SPONSORSHIPS**

Gareth Smit thanked all the firms who had provided generous sponsorship for the meetings, He also thanked the Swartland Municipality and staff for the arrangements for the meetings and for the spouses programme, and Allesverloren for providing the venue.

#### **15. DATES AND PLACES OF MEETINGS DATUMS EN PLEKKE VAN VERGADERINGS**

**Dates and places of SARPA meetings in 2018**  
**Datums en plekke van SARPA vergaderings in 2018**

15.1 8 November 2018 – Witsand (Hessequa Municipality)

#### **16. Closing of meeting by Chairman. Sluiting van vergadering deur die Voorsitter.**

The Chairman thanked all for attending and closed the meeting at 17:10.

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