



Southern Africa
Revenue Protection
Association

THE SOUTHERN AFRICAN REVENUE PROTECTION ASSOCIATION

GOOD HOPE BRANCH/GOEIE HOOP-TAK

MINUTES OF THE SARPA GOOD HOPE BRANCH'S 83RD GENERAL MEETING HELD AT THE GERMAN CLUB, 75 KLEIN PARYS AVE, PAARL ON THURSDAY 10 AUGUST 2017 AT 14:00.

NOTULE VAN DIE SARPA GOEIE HOOP-TAK SE 83^{STE} ALGEMENE VERGADERING WAT OP DONDERDAG, 10 AUGUSTUS 2017 OM 14:00 BY DIE DUITSEKLUB, KLEIN PARYS LAAN 75, PAARL GEHOU IS.

ATTENDANCE / BYWONING

MEMBERS / LEDE

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1. OPENING AND WELCOME / OPENING EN VERWELKOMING

1.1 Opening / Opening

The Chairman welcomed all to the meeting and the Mayor of Drakenstein Municipal Ald Conrad Poole, addressed the meeting after which 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 18:00 at the German Club.

1.3 **Acknowledgements / Bedankings**

The Chairman thanked the Drakenstein Municipality and staff, and Gareth Smit for all the arrangements for the meeting, and the German Club for the use of their facilities 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**

R van Staden (Roelof)	-	Beaufort West (roelof@beaufortwestmun.co.za)
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JJG Nel (Johan)	-	Honorary member (neljgg@gmail.com)

3. **CHANGE OF ADDRESS / ADRESVERANDERINGS**

None.

4. **CONFIRMATION OF THE MINUTES OF THE SARPA GOOD HOPE BRANCH'S 82ND GENERAL MEETING HELD AT THE SWELLENGREBEL HOTEL, SWELLENDAM ON THURSDAY, 11 MAY 2017.**

BEKRAGTIGING VAN NOTULE VAN DIE SARPA GOEIE HOOP TAK SE 82^{STE} ALGEMENE VERGADERING GEHOU OP DONDERDAG, 11 MEI 2017 BY DIE SWELLENGREBEL HOTEL, SWELLENDAM.

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)

Highlights:

- Branch developments
 - o Better co-ordination is needed between SARPA and AMEU
 - o Meeting to be held in Johannesburg on 31 August 2017 to discuss this.
- Standardisation
 - o NRS 055 and NRS 101 are to be revised
 - o There is no more progress on cable marking
- Training matters covered
 - o New training material has been developed
 - o Cyber security is now a big issue
- Infrastructure crime matters discussed
- Revenue recovery initiatives are being re-introduced (Cigfaro is new name for IMFO)
- Self-assessment tool will be put onto the SARPA website
- International interaction covered
 - o Local SA members can join IURPA for \$60 membership fee
- SARPA convention to be held at Eskom Midrand in Johannesburg on 24/25 August 2017
- Events calendar covered.

9. PRESENTATIONS

9.1 “Revenue protection on the water side of utility works”
– Jako Winter, Director: Technology and Business Solutions
– SmartGrid Technologies (Pty) Ltd

(See presentation 9-1)

- Architecture must plan for future developments
- Water issues raised:
 - o 37% of water is lost in South Africa!!
 - o Water usage in SA is higher than world average
- Water leak repairs are needed
 - o Both on network and on consumers’ side of meter
 - o Drakenstein’s programme explained
 - o Cost of lost water is high
- Are prepayment meter the answer?
 - o There are issues with this
 - o Not consumer friendly
- AquaGuard Smart meters have been developed
 - o Can be attached to existing water meters
 - o Have a communication module
 - o Links to mobile app for information to the consumer
 - o Reports are available to the Utility
 - o Can be implemented by utility or by individual consumers
- The need for a shut off valve is debatable
- Drakenstein smart meter communication network presented
 - o Components and costs covered

- Links to electricity and water meters
- Communication methods discussed
- Ingenu RPMA – RF technology
- Electricity distribution fault detection system described – Fault path indication.

9.2 “Smart Grid Security – Potential Cyber Attack Risk Mitigation” - Christo Myburgh, CEO, UAS

(See presentation 9-1)

- Introduction given to presenter and company
- Risk of cyber security issues discussed
- Hacking is a problem for all utilities
- History and global presence covered
- What a smart grid is, explained
- Video of NES Solution shown – Patagonia Energy Application Platform
- Many cyber attacks are not made public knowledge – these attacks are real
- These attacks are financially viable for attackers.
- Pitfalls of security discussed
- Data and infrastructure components need to be protected
- Updated compliance is essential
- Detection and response is critical
- Building blocks of system explained
 - With intelligence built in
 - And continually updated
 - Must be capable of handling future technologies as these are developed
- Protocols and standards explained
 - Multi-layer approach needed
 - Additional security layers can be dispatched remotely to system components
- Solution objectives listed.

9.3 Drakenstein – Water Revenue Management - Sifiso Mkonyane – Drakenstein Municipality

(See presentation 9-3)

- “Cycle of Water” – video shown
- Global water fact shown
- South African water fact presented
- Current water shortage impacts the Western Cape
- Dam level stats shown
- Measures needed to conserve water discussed.

10. MEMBERS’ FORUM:

10.1 “Methods to prevent tampering on electricity pole boxes – proposal and discussion” - Greg Stoford / Keith Stober – City of Cape Town

- “Skelm Brain” storming session!
- Series of photographs showing problems with vandalised meter kiosks shown and suggestions for solution to this requested
- Are installing 11m high steel poles to answer?
- Of 8 of these poles 2 have already been tampered with!
- Solutions?
 - Monitor kiosks and send an alarm
 - Trip supplies to kiosks affected
 - Use pin eye cameras with remote monitoring
- Solutions suggested:
 - Electro-mechanical locks and keys – key locked into lock if kiosk is unlocked so kiosks cannot be left unlocked when staff leave
 - Secure kiosks – flush fitting doors
 - Hardened steel boxes
 - But these measures are expensive

- Telemetry is a possible solution too
- But need fast response to catch perpetrators
- Solution will be presented at SARPA Conference from Uganda
- Stellenbosh uses concrete poles
- If kiosk is opened supply to kiosk must be tripped, but this impacts on innocent consumers.
- Could install an audible alarm that sounds before supply is tripped
- Anonymous tip-offs by public

10.2 Provincial Police infrastructure theft statistics:

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

- April 2017 – (See presentation 10-2a)
- May 2017 – (See presentation 10-2b)
- Media statement- (See presentation 10-2c)

Cost of replacement of stolen infrastructure and commodity list discussed.

A discussion followed.

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, and made special mention of the generous donation from the Drakenstein Municipality. He also thanked the Drakenstein Municipality and staff for the arrangements for the meetings and the spouses programme, and the German Club for the use of their facilities.

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

Dates and places of SARPA meetings in 2017
Datums en plekke van SARPA vergaderings in 2017

15.1 9 November 2017 Knysna

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

The Chairman thanked all for attending and closed the meeting at 17:20.

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