

# SARPA CONVENTION DRAFT PROGRAMME



SOUTHERN AFRICA  
REVENUE PROTECTION  
ASSOCIATION

23<sup>rd</sup> ANNUAL  
CONVENTION 2019

22 – 23 AUGUST 2019

OPERATING IN A DARK REVENUE PROTECTION  
ENVIRONMENT WITH DIMINISHED CASH FLOW -  
IN THE LIGHT OF SCARCE RESOURCES



## THURSDAY, 22 AUGUST 2019

Time	Title	Speaker
09h00	Welcome	<b>Mr Greg Stopford</b> SARPA President
09h30	Welcome from the host	<b>Mr Michael Rhode</b> Bitou Local Municipality
10h00	Keynote address	NERSA
<b>11h00</b>	<b>Refreshments</b>	
<b>MINIMIZING NON-TECHNICAL LOSSES</b>		
11h30	<p><b><u>Case study: Converting knowledge into practice</u></b></p> <p>A case study in Bitou Municipality regarding their effort to reduce non-technical losses. When an increase in revenue losses was identified, the Electricity Department decided to deal with the issue as soon as possible. After members completed a SARPA training course, the scarce resources embarked on a project that has proven successful and has brought the losses once again down to an acceptable level.</p>	<b>Jemaine Cupido</b> Bitou Municipality
12h00	<p><b><u>The impact of Electricity Theft</u></b></p> <p>Electricity theft is defined as the largest contributor to non-technical losses within Utilities. The reasons are access to electricity, high tariffs and poor socio-economic conditions. Loss of revenue in global utilities has a severe environmental impact. South Africa is the largest producer of electricity in the sub-Saharan African region and this paper compares the South Africa environment with the current global trends.</p>	<b>Quentin Louw</b> Ntamo Technologies
12h30	<p><b><u>Mitigating Meter Tampering practices</u></b></p> <p>This paper will provide an update on new revenue protection challenges like new tampering methods and organized crime involvement. It will also highlight the successes that can be achieved through using specialized investigation processes and involving knowledgeable persons, which would in turn lead to successful prosecutions.</p>	<b>Doug Bashford</b> Eskom
<b>13h00</b>	<b>Lunch</b>	
14h00	<p><b><u>A criminological evaluation of infrastructure theft and damage</u></b></p> <p>The paper will highlight the nature, impact and destructive effects of infrastructure thefts and vandalism, along with the modus operandi of those involved in such crimes. It will also discuss the legal framework surrounding this phenomenon,</p>	<b>Steph Jordaan</b> CPI

	explain how legislation changes have impacted on such crimes, as well as the aspect of "price theft hypothesis" and its influence on the Scrap Metal market in South Africa.	
<b>REVENUE PROTECTION CHALLENGES</b>		
14h30	<p><b><u>Link between outstanding debt &amp; metering infrastructure</u></b></p> <p>Municipalities struggle to collect outstanding debt and metering infrastructure is damaged or bypassed and little or no maintenance is done. A leading factor causing the poor cash-flow situation are the poor condition of metering, limited maintenance and the absence of proper credit control and debt collection processes, procedures and policy. Debt is influenced by the inability to identify indigent.</p>	<p><b>Leon Vermaak</b> UMS</p>
15h00	<p><b><u>STS Edition 2 &amp; the TID rollover event 2024</u></b></p> <p>A unique token identifier (TID) is coded into a token when it is created. The current TID is from base date 1993. A new base date of 2014 has been introduced and is associated with a vending key revision with increased cryptographic strength. After the key change, the new TID will have a base date of 2014 and last until 2045. Utilities are urged to start the process as soon as possible. Case Studies will be presented.</p>	<p><b>Don Taylor / Franco Pucci</b> STS Association</p>
<b>15h30</b>	<b>Refreshments</b>	
16h00	<p><b><u>Panel discussion:</u></b></p> <p>The imminent threat of Rogue meters to Utilities in Southern Africa.</p>	<p>R Bindeman, SARPA G Stopford, SARPA D Bashford, Eskom F Pucci, STS Association</p>
17h00	Day Closure	
<b>19h00</b>	<b>Civic Reception Piesang Valley Community Hall</b>	

## FRIDAY, 23 AUGUST 2019

<b>08h30</b>	<b>Registration and Refreshments</b>	
<b>REVENUE ENHANCEMENT PROCESSES</b>		
09h00	<p><b><u>Water loss Management:</u></b></p> <p>A case study in Bitou Municipality of what is been done to reduce water losses through the introduction of water prepaid meters, finding solutions with regard to indigent consumers and a water resilience feasibility study which would include the construction of a new dam.</p>	<p><b>Franclyn Samuel /Omar Essa</b> Bitou Municipality</p>
09h30	<p><b><u>Security of Revenue: Multi-Type &amp; Multi-Vendor compatibility</u></b></p> <p>Revenue Protection can be seen as a multi-faceted process that includes multiple revenue sources such as electricity, water and gas, associated systems such as vending systems, STS security, smart prepaid, post-paid billing, meter data, asset management and managed services also contribute. We show how to integrate all the facets into one system and provide multi-data management, multi-vending management and combined security of revenue.</p>	<p><b>Martin Kuhlmann</b> Siemens</p>
<b>10h00</b>	<b>Refreshments</b>	

## TECHNOLOGICAL SOLUTIONS

10h30	<p><b><u>Smart Grid AMI Revenue Enhancement project in Thabazimbi Local Municipality</u></b></p> <p>This case study demonstrates the underlying value that can be realized and the effectiveness of implementing a fully financed, Smart Grid. All Utilities' access to financial resources is a challenge. A vendor-financed project model may be needed to effectively support projects which Municipalities could benefit from, bringing an immediate and long-term improvement in cash flow, without any capital outlay.</p>	<p><b>Clifford Ntshudisane</b> Power-C Metering Africa</p>
11h00	<p><b><u>Smart metering pilot project in Lesotho</u></b></p> <p>This case study will focus on a two-way pilot project between PIESA and Lesotho Electricity Company. The first phase will involve smart metering, whilst the second phase will focus on a Maximum Demand prepaid metering system. The goal of this pilot project is to find suitable smart solutions for the African environment that African Utilities can utilize to minimize revenue losses.</p>	<p><b>Harold Hayes</b> Landys&amp;Gyr</p>
11h30	<p><b><u>Cloud Based Data Operations Management</u></b></p> <p>In order to revive revenue for the cash-strapped Municipalities, aging infrastructure, lack of funds and inefficient business operations are some of the key issues that require focus for the Municipality to progress. It is imperative to have structured data to maximize the value of data resources to the Municipalities. This paper looks at how cloud-based data operations management and database supports can maximize revenue for the Municipalities.</p>	<p><b>Preeti Vaish</b> WeBill</p>
12h00	Members Forum	
13h00	Closure	
<b>13h30</b>	<b>Light Lunch</b>	