



MINUTES OF NON TECHNICAL LOSSES REDUCTION WORKING GROUP

Date: 23 September 2013

Venue: Mount Meru Hotel, Arusha, Tanzania

1) Attendance:

1.1) Present

Name	Call Name	Company	Contact details
Macvittie	Chiphwanya	ESCOM (Convenor)	-
Sandile	Maphumulo	AMEU/ETHEKWINI	maphumulors@elect.durban.gov.za +27813 119 001
Lemmy	Mweene	ZESCO	lmweene@zesco.co.zm +260 211 364 144
Lawrence	Juku	Landis+Gyr	Lawrence.juku@landisgyr.com +27 72 065 1409
Mathias	Solongo	TANESCO	Mathias.solongo@tanESCO.co.tz 0767456205
Obay	Sigala	TANESCO	0784418283

1.2) Apologies

Name	Call Name	Company	Contact Details
Rens	Bindeman	SARPA(Secretary)	rens@mweb.co.za
Leonard	Chisina	ZESA (Deputy Convener)	
Joshua	Mutua	KPLC	jmutua@kplc.co.ke +254 722 736 121

1.3) Absent

Name	Call Name	Company

Roy	Chideru	Escom
Claudia	Coetzer	ICS
Samuel	Magezi	Umeme
Ndambi	Ilunga	SNEL
Edison	Makwarela	Eskom
MZ	Seitheko	LEC
Douglas	Kamanga	Escom
Mohapi	Khaile	LEC

2 Welcome

The Convener welcomed everyone to the workgroup meeting and called the meeting to order at 10:15 hours. The members_in attendance introduced themselves and the convener briefed the new member and attendees from TANESCO on the operations of the Working Group. The meeting was informed that Mr. Obay Sigala was the new member of the WG to replace Mr. Francis Maze.

3 Apologies

Apologies were reported as record as above.

4 Adoption of Agenda

The meeting adopted the agenda with a few changes namely:

4.1 item No. 9 on the removed from agenda list

Proposed by Macvittie and seconded by Lemmy

5 Review of previous minutes

5.1 The convener pointed out that Point No. 6.5 was just for noting.

5.2 Correction on 10.2 “was” replaced with were and completion of the sentence with “workgroup members”

The minutes were adopted with minor corrections.

6 Strategy Focus

6.1 It was proposed that the issue of dedicating a full day to structure the strategy needs to deal with Non-technical losses be taken to the next meeting.

6.2 On this item, it was proposed that an email be sent to the WG members to initiate the discussion.

6.3 The meeting asked that point No. 6.6 should be part of the structure to quantifying Non-technical losses.

7 Matters arising

Matters arising from the previous minutes were: -

- 7.1 Because of the number of WG member present it was thought prudent to push the election of office bearers to the next meeting.
- 7.2 The convener was tasked to confirm the workgroup members. The meeting advised the convener to prompt the PIESA secretariat to write to the board to confirm the PIESA utilities members' NTLR workgroup members.
- 7.3 Feedback to the Board on the current scenario in the Region on smart metering is still outstanding. It was determined that the workgroup would have to address the matter by firstly drawing up with a table of issues to be collected from the member utilities. It was resolved that the work group would look at the strategies followed by member utilities and follow what is happening on the international front. It was also suggested that we follow a multi discipline approach and draw information from members in the other working groups.
- 7.4 The convener informed the meeting that training on Revenue Protection Management courses (Advanced and Basic) as well as the Fraud and Vandalism were conducted Rens Bindeman and other trainers at Kafue Gorge Regional Training Centre July 2013. The attendants were drawn from Utilities members of PIESA. The feedback was that the training was well attended and was a success.
It was decided that the group was going to identify the WG training needs that would be discussed at a later meeting.
- 7.5 It was pointed out that if you look at the minutes, the reporting from Utilities is taking up most of our time during the workgroup meetings. The question is therefore, "do we need to continue getting Utility feedback or could we rather do that in an informal way or obtain it a later stage? It was decided that this issue should to be discussed in more detail under point 12.
- 7.6 It was agreed to change the Action Plan by combining action points 4 and 5 (Tamper detection and Sealing). It was proposed to make all the changes on the action plan that was identified and then for the Secretary to forward it to the workgroup members.
- 7.7 The WG to ask Rens in the next meeting to give feedback regarding the report on "cyber Security" and the protection of smart grids against cyber-attacks if the report has been completed. As there is so many new aspects regarding this issue, Rens had indicated that the new policy was in the process of been finalised, which will be focused specifically on smart

metering internationally and he would rather wait till it is available, in order to add it to the report.

- 7.8 TANESCO through Mr. Genes Kakore will share some presentations on cyber security.

8 Procedure to quantify technical and Non-technical losses

- 8.1 Discussions were held regarding the problems encountered with the development of the standard “on how to calculate losses on electricity networks” (NRS 080) and the related pilot project currently underway in Ethekewini Metro to support this process. Eskom studies in this regard have been included in the process and the University of North West is also involved in the project.
- 8.2 It was requested that any information regarding studies in this regard that have been done in the past or are presently in progress in PIEESA member utilities, to be forwarded to the Secretary, so he could pass it on to the NRS 080 Workgroup Convener namely Mr Chris Gower.
- 8.3 A task team has been formed from the NRS workgroup who will meet regularly to discuss progress. Certain members have been tasked to evaluate the Eskom process that had been followed, in the process of compiling the guideline for Eskom personnel. The brief was to determine if it would be viable to implement the same processes
- 8.4 It was suggested that we should make sure that in the results obtained “desktop studies and physical measurements” are compared.
- 8.5 It was also suggested by workgroup members that a study should be done on the issue of “Where are we incurring the biggest loss on the technical or human side?”
- 8.6 Francis Maze suggested that we use AMR to monitor consumption on a 24 hr basis in and then ensure a “step by step” analysis of isolated areas in order to determine what is causing the problems and then focus on fixing that. It is also a good idea to register all meters and then determine which ones are not on the system and cut those off on the data base that we do not know where they are (ghost meters). He said they have so many initiatives running simultaneously that they do not know what has caused the 4% reduction in losses they have noticed.

9 Adoption of Action Plan

- 9.1 It was agreed to change the Action Plan by combining action points 4 and 5 (Tamper detection and Sealing)

9.2 It was proposed to make all the changes that was identified and then for the Secretary to forward it to the

10 Reports from utilities

10.1 It was agreed that workgroup members continue providing their respective reports. The members proposed that reports should at least include the following;

- Name of the utility
- Total Customers base (categories of customers as prepayment, conventional, AMR etc)
- Annual new installations
- Losses in percentage (transmission, distribution and total)
- Demand Side Management initiatives

10.2 The WG agreed that the template/format of the utilities' report should be circulated to the WG members

10.3 It was also proposed that the issue of CFLs disposal be tabled with the Environmental Working Group.

11 Review of smart metering status in utilities

11.1 It was decided that each Utility representative to provide a synopsis of the current status of smart metering projects in his or her Utility in the next

12 Report to the board in September 2013

12.1 It was agreed to finalize the report at the next meeting in Arusha. The Convener to compile a draft report in the meantime and circulate it to the members for their comments

13 Date of Next meeting

The date of the next meeting was to be advised through the secretariat.

14 Closure

It was decided to draw up a draft version of the minutes and circulates them to the members present before the final minutes were sent out to everyone. The Convener thanked everyone for their participation and closed the meeting at 16:28 hrs.

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Signature of Convener

Date