

MINUTES OF MEETING HELD ON 25th August 2011

45 Main Street, Room 653, Anglo American Corporation, Marshalltown

MEMBERS:

NAME	REPRESENTING	TELEPHONE	EMAIL	PRESENT	APOLOGIES
Ian Morison	EIUG (Main Member)	082 903 9463	imorison@anglotechnical.co.za	X	
Dave Krumm	EIUG (Alternate)	072 270 4873	dave.krumm@bhpbilliton.com	X	
Adam Bartylak	SO (Main Member)	011-871 3467	BartylA@eskom.co.za		X
Comfort Masike	SO (Alternate)	011-871 2308	Comfort.Masike@eskom.co.za		X
Lawrence Musaba	SAPP (Main Member)	+263 250 565/6	musaba@sapp.co.zw		X
Teresa Carolin	SAPP (Alternate)	082 806 2376	Teresa.carolin@eskom.co.za	X	
Donald Bennett	IPP (Alternate)	011-573 2504	donald.bennett@kelvinpower.com	X	
Danie Conradie	Eskom Dx (Main Member)	031-710 5411	conradj@eskom.co.za		X
Hennie Nel	Eskom Gx (Main Member)	016-457 5105	hennieh.nel@eskom.co.za		X
Machiel Viljoen	Eskom Gx (Alternate)	016-457 5630	vilmac@eskom.co.za		X
Mbulelo Ncetezo	NERSA (GCAC Chairman)	012-401 4616 083 657 0471	mbulelo.ncetezo@nersa.org.za	X	
Charles Geldard	NERSA	082 772 0711	Charles.geldard@nersa.org.za	X	
Jacob Machinjike	NTC (Main Member)	082 805 5436	machinj@eskom.co.za		X
Joharn Harmse	NTC (Alternate)	051-404 2392	HarmseJG@eskom.co.za	X	
Bernard Magoro	Grid Code Secretariat	011-871 2774 083 292 2876	magorotb@eskom.co.za	X	
Target Mchunu	Grid Code Secretariat	011-871 3076	mchunut@eskom.co.za	X	
Vijay Batohi	AMEU (Main Member)	031 311 9224	batohiVB@elec.durban.gov.za	X	
Xolani Lembede	AMEU (Alternate)	011 490 7310	xlembede@citypower.co.za		X
MEETING CHAIRPERSON: Mbulelo Ncetezo			SECRETARIAT: Bernard Magoro		

IN ATTENDANCE:

NAME	REPRESENTING	TELEPHONE	EMAIL
Camintha Moodley	Eskom . Transmission	011-800 5164	Camintha.Moodley@eskom.co.za
Lucky Ngidi	NERSA	012 401 4716	Lucky.Ngidi@nersa.org.za
Ronald Chauke	NERSA	082 666 0704	Ronald.chauke@nersa.org.za
Roy Estment	Grid Planning	011 800 4930	EstmenRD@eskom.co.za

VERSION CONTROL:

Version	Changes	Author	Date
00	First draft by Secretariat	T. Mchunu / B Magoro	30 th August 2011

<p style="text-align: center;">RSA GRID CODE ADVISORY COMMITTEE (GCAC) MEETING MINUTES</p>
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1 WELCOME AND ESTABLISHMENT OF A QUORUM

The chairman welcomed everyone to the meeting. A quorum was established as per attendance register.

2 APOLOGIES

Apologies were noted as indicated on the attendants register above.

3 FINALISATION OF THE AGENDA

The following item was added on the agenda at the request of NERSA;

6.1 eThekweni Municipality Dx Code implementation

4 APPROVAL OF THE PREVIOUS MINUTES

Previous minutes were accepted without any corrections.

5 MATTERS ARISING

5.1 Transmission System definition (Action A1.20070412)

Previously: There was no material movement on this item. NERSA indicated that the discussion to finalize the winding up of EDI will take place on 1st June 2011 with Department of Energy (DoE). NERSA will report back at the next GCAC regarding the matter.

At this meeting: Mr R. Chauke indicated that NERSA is still waiting for a meeting with DoE. Mr J. Harmse re-emphasized that the intent of the document was to manage the transfer of assets between Distribution and Transmission to facilitate formation of regional electricity distributors (REDs). The committee discussed the issue at length and concluded that NERSA must look at the document and advise the industry regarding to the aspects of the document that can be implemented.

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Action: R. Chauke / Mr L. Ngidi (NERSA)

5.2 Limitation of liability clause (Action A2.20070412)

Previously: Eskom Distribution indicated that the matter is still under discussion within Eskom in order to establish an internal position.

At this meeting: Ms C. Moodley indicated that within Eskom, an internal workgroup to develop a framework on the issue has been formulated which will allow them to meaningfully engage with Municipalities. We expect that the formulation of any principles will take at least 6 months. Target date for completion has been revised to June 2012.

Actions: D. Conradie/ C. Moodley

5.3 NERSA proposed amendments

Previously: B. Magoro indicated that there were no approvals for the GCAC to consider as the matter is still under discussion at the IET. Two issues concerning the proposed amendment that are still under discussion at IET are the Dispatch Rules and primary fuel security requirements.

At this meeting: Mr B. Magoro indicated that Eskom Generation had agreed with NERSA's proposal in principle regarding primary energy requirements. Proposal to be reviewed at the next IET and presented for approval at the next GCAC meeting.

Other outstanding issues (Operation during emergency condition and Gx outage coordination) are being discussed as part of dispatch rules.

Action: NERSA, T. Carolin & B. Magoro

5.4 2010DCAM003: IET Feedback on Concern raised with respect to NRS 048-9 (Load Shedding)

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- i) *Need to publish all NRS documents that have been approved by NERSA (including IEC standards).*

Previously: The MoU between NERSA and SABS is being finalized to deal with the publication of the NRS standards. GCAC recommended that considerations should also be given to other standards also referenced in the Grid Code (e.g. IEC, IEEE etc.).

At this meeting: Mr R. Chauke indicated that the legal side of SABS and NERSA had finalized the MoU. Concern was raised by Ms C. Moodley in terms of NRS participation for development of standards as it was mostly dominated by Eskom representatives.

Action: R. Chauke

- ii) *Legal experts to advise IET and GCAC on what need to be practically done in order to properly implement the NRS 048-9 document.*

Previously: Ms C. Moodley mentioned that events have taken place since the IET meeting and indications are that customer consultation process will only start during the second phase of the implementation. GCAC requested Ms C. Moodley to prepare a write up with inputs from NERSA legal and Eskom Corporate legal on the legality of the proposed implementation process. The committee was also made aware about the litigation currently underway on the legality of load shedding / curtailment. The Chairman also cautions the committee that during 2011/12, the electricity system will be very tight and there is an urgent need to have a process in place to manage capacity shortages and the adoption of NRS 048-9 becomes very crucial. It was agreed to continue with the implementation while sorting out legal issues.

At this meeting: Camintha highlighted that wide consultation was necessary for proper implementation of NRS 048-9 document. Mr Chauke indicated that DoE was in the process of reviewing Electricity Regulations Act (ERA) and other electricity regulations. Members were encouraged to review ERA and relevant regulations and send their comments to NERSA to liaise with DoE.

Action: All Members

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Decision: GCAC agreed to go-ahead with the implementation of NRS 048-9.

iii) *Practical implementation of regulation 773.*

Previously: Mr R. Chauke highlighted that DoE is currently reviewing a number of regulations including Regulation 773. Interested and affected parties are invited to send their comments through that process. NERSA will be in a better position to provide substantive feedback at the next meeting.

At this meeting: Mr R. Chauke indicated that the review process has been done and will feedback next GCAC. However, Camintha raised a concern regarding Regulation 773 implementation mainly due to the difficulty of changing old meters to smart meters.

Committee agreed that there will be a need to align the Metering Code and NRS 057 with Regulations 773.

Action: R. Chauke, B Magoro

iv) *Mr. R. Koch to write a letter on behalf of the committee to NERSA.*

Previously: No feedback. Mr B. Magoro will follow up with R. Koch to determine if the letter is still required given the progress made regarding NRS 048-9 implementation.

At this meeting: B. Magoro reported that after liaising with Mr. Koch they agreed that there is no need for such a letter.

Action: Closed

v) *NRS 048 implementation letters*

Previously: Mr L. Ngidi indicated that reminder letters are being prepared for all Licenses which will satisfy the initial request.

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At this meeting: NERSA reported that Letters to remind Distributors about the Dx code implementation have been issued by the NERSA compliance team.

Action: Closed

5.5 Review of GCAC Membership.

Mr L. Ngidi presented the proposed amendment regarding the GCAC membership. NERSA recommended the following changes:

- Additional generator member representing renewable energy IPP
- Additional AMEU member
- Member representing Department of Energy
- It was also proposed to replace a SAPP member with RERA representative. NERSA to advice.

The amendment was discussed and members agreed to review it with their constituents (i.e AMEU) and report back at the next meeting.

Action: L. Ngidi

5.6 IET Feedback for meeting held on 28th July 2011.

Mr B. Magoro gave feedback on the proceedings of the previous IET meeting to the committee for noting. Details can be found in the IET meeting minutes. Matters that are still outstanding will be dealt with at the next IET meeting. The following issues were presented to GCAC for decision:

- **GCAMD11006:** Network Code, section 4.4

GCAC supported the amendment for NERSA approval.

- **2011DCAM001:** Distribution Code, System Operator Code, Clause 13.5

NERSA to take it back for regulator's view.

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- **2011DCEX007:** Distribution Code, Network Code, section 6.2.1

Secretariat to draft letter to NERSA for suspension of the clause.

- **2011DCEX008:** Distribution Code, Tarrif Code, Clause 11.3

It was agreed that there were bigger problems at municipality. NERSA will look at it and advice.

Action: T. Mchunu, Lucky Ngidi

6 AMENDMENTS AND EXEMPTIONS

6.1 GCAMD11007: The Network Code, GCR 6 Automatic Generation Control requirements

Amendment was supported for NERSA approval. Secretariat to prepare submission to the NERSA Board for approval.

Action: T. Mchunu

6.2 GCAMD11008: The Network Code, Equipment protection requirements.

Amendment was referred to IET for further discussion.

Action: T. Mchunu

6.3 GCEXE11002: Network Code, Clause 7.6.5 (1) ANKERLIG POWER STATION

Amendment was referred to IET for further discussion.

Action: T. Mchunu

6.4 GCEXE11003: Network Code, Clause 3.1.6.2, 3.1.6.3 & 3.1.6.5 Governing(GCR6) All Koeberg units

Amendment was referred to IET for further discussion.

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Action: T. Mchunu

7 GENERAL

7.1 eThekwini Municipality Dx Code implementation

The Secretariat commended eThekhwini for being the first distributor to successfully implement the Distribution Code. NERSA through the Secretariat will draft a letter of appreciation and recognition to eThekwini Municipality.

Action: T. Mchunu/ B. Magoro

8 NEXT MEETING

Agreed dates for 2011 meetings:

Date	Day	Time	Comments
03 rd March 2011	Thursday	09h00 . 12h00	Held
19 th May 2011	Thursday	09h00 . 12h00	Held on 26th May 2011 - Date changed due to local Government elections.
25 th August 2011	Thursday	09h00 . 12h00	Held
17 November 2011	Thursday	09h00 . 12h00	

- **Venue**

Anglo offered to still host meetings in 2011 and the committee agreed that all GCAC meetings for 2011 will be held at Anglo American, 45 Main Street, Marshalltown.

10 CLOSURE

The meeting was closed at 12h30.

I hereby certify that these minutes are a true reflection of the proceedings of the meeting held on 25th August 2011

**RSA GRID CODE ADVISORY COMMITTEE (GCAC)
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Signature of the Chairman:

Date:

RSA GRID CODE ADVISORY COMMITTEE (GCAC) MEETINGS ACTION ITEMS

ACTION ITEMS

REFERENCE No.	ACTION	RESPONSIBLE	TARGET DATE	Review Date	STATUS
A1.20070517	Tx/Dx demarcation position paper. Ensure all parties are acquainted and happy with the content of the document.	B. Conradie / B Magoro	16 th Aug 2007	21 Aug 2008	In Progress
A3.20080221	Amendment DCAMD08/001 <ul style="list-style-type: none"> Referred to IET but will only be considered once all amendments have been received from other distributors as part of implementation plan. 	B. Magoro	31 Dec 2008	21 Aug 2008	In Progress
A13.20080821	Exemption GCEXE08/006 <ul style="list-style-type: none"> Accepted for recommendation to NERSA approval. At the same time Gx must indicate a proper action plan. 	H. Nel			Awaiting NERSA
A16.20080821	Exemption GCEXE08/009 <ul style="list-style-type: none"> Accepted for recommendation to NERSA approval. At the same time Gx must indicate a proper action plan. 	H. Nel			Awaiting NERSA
A17.20080821	Exemption GCEXE08/010 <ul style="list-style-type: none"> Accepted for recommendation to NERSA approval. At the same time Gx must indicate a proper action plan. 	H. Nel			Awaiting NERSA
A18.20080821	Exemption GCEXE08/011 <ul style="list-style-type: none"> Accepted for recommendation to NERSA approval. At the same time Gx must indicate a proper action plan. 	H. Nel			Awaiting NERSA
A20.20080821	Exemption GCEXE08/013 <ul style="list-style-type: none"> Accepted for recommendation to NERSA approval. At the same time Gx must indicate a proper action plan. 	H. Nel			Awaiting NERSA

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A21.20080821	<p>Exemption GCEXE08/014</p> <ul style="list-style-type: none"> Accepted for recommendation to NERSA approval. At the same time Gx must indicate a proper action plan. 	H. Nel			Awaiting NERSA
A22.20080821	<p>Exemption GCEXE08/015</p> <ul style="list-style-type: none"> Accepted for recommendation to NERSA approval. At the same time Gx must indicate a proper action plan. 	H. Nel			Awaiting NERSA
A1.20110303	<p>Dx Limitation of Liability</p> <p>Ms C. Moodley indicated that she is currently assisting Eskom Distribution in the drafting of their limitation of liability clause.</p>	D. Conradie / C. Moodley			In Progress
A2.20110303	<p>NERSA Proposed Amendment</p> <p><u>Outstanding issues:</u></p> <ul style="list-style-type: none"> Section 9.1 & 9.2 (operation during emergency / abnormal conditions) are still under development, Generation outage management process which is being discussed together with the dispatch rules. 	B. Magoro / T. Carolin/ NERSA			In Progress
A3.20110303	<p>Amendment: 2010DCAM003:</p> <p>IET Feedback on Concern raised with respect to NRS 048-9 (Load Shedding)</p>	R. Chauke / C. Moodley/ L. Ngidi / R. Koch			In Progress

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A4.20110303	<p>Amendment: GCAMD11001: Network Code Version 8 A2.3.2 Unit Islanding Capability GCR2</p> <p>Amendment referred to the IET.</p>	T. Mchunu			In Progress
A5.20110303	<p>Amendment :GCAMD11002: Network Code Version 8 . 3.1.6.3 (3) Over Frequency conditions in the range above 51,5Hz (Stage H2)</p> <p>Amendment was referred to IET for further discussion. All members were requested submit comments and supporting documentation before the IET meeting.</p>	T. Mchunu			In Progress
A6.20110303	<p>Amendment: GCAMD11003: The Information Exchange Code Version 8.0, Appendix 5: Operational data.</p> <p>Amendment was referred to IET for further discussion.</p>	T. Mchunu			In Progress
A7.20110303	<p>Amendment :GCAMD11004: System Operations Code, Section 18 (Dispatch Rules and Maintenance Scheduling)</p> <p>Amendment was referred to IET for further discussion.</p>	T. Mchunu			In Progress

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A8.20110303	<p>Generator Connection Code</p> <p>GCAC gave a go ahead on the proposal for a separate Generator Connection Code. The code will consolidate all requirements pertaining to all generators connected either to transmission or distribution voltages.</p>	B. Magoro			In Progress
A9.20110303	<p>Renewable representation</p> <p>NERSA was tasked to review the GCAC constitution in line with the Governance Code</p>	L. Ngidi / R. Chauke			In Progress