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R 842 Electricity Regulation Act (4/2006) Electricity regulations for compulsory norms and standards for reticulation services

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GOVERNMENT NOTICE

DEPARTMENT OF MINERALS AND ENERGY

No R 842

8 August 2008**ELECTRICITY REGULATION ACT, 2006****ELECTRICITY REGULATIONS FOR COMPULSORY NORMS AND STANDARDS FOR
RETICULATION SERVICES**

I, Buyelwa Sonjica, Minister of Minerals and Energy hereby, under section 35(4) of the Electricity Regulation Act, 2006 (Act No 4 of 2006), after consultation with the Regulator, make the regulations in the Schedule

SCHEDULE

1. Definitions. – In these Regulations, any word or expression to which a meaning has been assigned in the Act, shall have the meaning so assigned and, unless the context otherwise indicates –

“building” includes any other structure, whether of a temporary or permanent nature and irrespective of the materials used in the erection thereof, erected for or in connection with-

- (a) the accommodation or convenience of human beings or animals,
- (b) the manufacture, processing, storage, display or sale of any goods,
- (c) the rendering of any service,
- (d) the destruction or treatment of refuse or waste materials, or
- (e) the cultivation or growth of any plant or crop

“time of use” means measurement of energy consumption on a time interval basis,

“integrated power system” means the structures and other equipments that connect with the transmission power system, distribution power system and reticulation in South Africa,

“the Act” means the Electricity Regulation Act, 2006 (Act No 4 of 2006),

“smart metering system” means an electricity meter that allows for –

- (a) measurement of energy consumed on a time interval basis,
- (b) two-way communication between the customer/end-user and the licensee,
- (c) storage of time interval data and transfer it remotely to the licensee, and
- (d) remote load management

“system operator” means an entity responsible for directing the operation and maintaining the reliability of the integrated power system

2. In order to maintain good quality of supply, ensure stability of the electricity network, minimise electricity load shedding and avoid blackouts, the following norms and standards for reticulation services must be maintained in an area of jurisdiction-

- (a) In respect of lighting-
 - (i) energy efficient fittings must be used in all buildings except where a specific fitting is required for business purposes and the nature of the business does not allow an energy efficient fitting,
 - (ii) street and highway lighting must be energy efficient and licensee must ensure that it is switched off during the day,

- (iii) Street lights must be fitted with energy efficient systems that allow for remote reduction of power during capacity constraints
- (b) In respect of existing buildings, where an electric water heating facility is required-
- (i) a licensee should install a facility to remotely control the supply of electricity to any electric geyser that does not incorporate a solar heating water facility,
 - (ii) sub-regulation (c)(i) must be in place not later than 01 January 2012,
- (c) In respect of space heating, ventilation or cooling in buildings, to be in place not later than 01 January 2012, a licensee must-
- (i) install a facility to remotely control the supply of electricity to heating, ventilation and cooling system in its area of supply
 - (ii) link a swimming pool drive and heating system to a facility that enables the licensee to remotely control its supply of electricity,
- (d) An end user or customer with a monthly consumption of 500kWh and above must have smart metering system and be on time of use tariff not later than 01 January 2012,
- (e) Sub-regulations (b) and (c) do not apply in an event where the licensee can remotely reduce or increase the supply of electricity to the building using a smart metering system
- (f) The licensee may only reduce the supply of electricity to customers during capacity or network constraints. Where the interruption is planned, the licensee must inform affected customers at least a day before about the interruption of electricity supply
- (g) In respect of sub-regulations (c) and (d) above, the licensee may remotely control the supply of electricity only during capacity or network constraints to avoid electricity blackouts. The System Operator must issue a notice to
- (h) the licensee declaring the constraints in terms of network or capacity and requesting distributors to reduce demand

No R 842

8 August 2008

UMyango weziMbiwa Phansi naMandla

UMTHETHO WOKULAWULA KUKAGESI KA-2006

**IMITHETHO YOKULAWULWA YENKAMBISO NAMAZINGA LWEZINSIZA
ZEZINTAMBO ZIKAGESI**

Mina, Buyelwa Sonjica, uNgqongqoshe weziMbiwa Phansi naMandla lapha, ngaphansi koMThetho wokuLawulwa kukaGesi ka-2006 (uMithetho wesi-4 ka-2006), ngemuva kokuxhumana nowenza umthetho, ngakha lemitheho kusheduli

ISHEDULI

I Izincazelo – Kule mithetho, igama noma iliphi noma umusho onikwe incazelo kulo Mthetho uzoba nencazelo onikwe yona, ngaphandle uma mqikithi isho okunye “**Usakhiwo**” simbandakanya yinoma yisiphi isakhiwo, esesikhashana noma esingeguqulwe ngaphandle kokusetshenzisiwe ukusakha ngokunjalo, sakhelwe noma simayelana –

- (a) nendawo yokuhlala noma efanele abantu noma izilwane,
- (b) nokwakhiwa, ukwenziwa, indawo yokugcina, ukubeka obala noma ukuthengiswa kwanoma yiziphi izimpahla,
- (c) nokuhlazeka nganoma yiluphi usizo,
- (d) nokuqedwa noma ukusetshenzwa kokulahhwe noma izibi, noma
- (e) nokuhnjwa noma ukukhulswa kwanoma yisiphi isitshalo noma isithombo

“**isikhathi sokusebenzisa**” sisho isihnganiso sokusetshenziswa kwamandla ngezikhathi ezithile,

“**Uhlelo oluhlangene lwamandla**” lusho izakhiwo kanye nokusetshenziswayo okuxhume ohlelweni lokudlulisela amandla, ohlelweni lokusabalisa amandla nezitambo eNingizimu Afrika

“**UMthetho**” usho uMthetho wokulawulwa kukaGesi ka-2006 (uMthetho wesi-4 ka-2006)

“**Uhlelo lwamasimathi mitha**” lusho amamitha kagesi avumela –

- (a) ukukalwa kwamandla kagesi asetshenzisiwe ngezikhathi ezithile,
- (b) indlela yokuxhumana okuphambanayo phakathi komthengi/ noma osebenzisayo kanye nemvume,
- (c) ukugcinwa kolwazi lwezikhathi ezithile kanye nokulidluliselwa kwalo konemvume ngokuzenzakaleyo, kanye
- (d) nokulufaka kubaphathi ngokuzenzakaleyo

“**Osebenza ngohlelo**” kusho okuthile okubheke ukuqondiswa kwemisebenzi kanye nokugcinwa kokwethembeka kohlelo oluhlangene lwamandla

2 **Ukuze kugcinwe ikhwalithi yimhle yokusatshalaliswa, nokuqisekisa ukusimama kwenethiwekhi kagesi, nokwehlisa izinga lokusebenza kukagesi ngokuwucima (load shedding) kanye nokumibela ukucima kukagesi (blackouts), szi inkambo isakayye nokusebenza kwamazinga ezintambo kufanele kugcinwe kuleyo ndawo esemthethweni –**

- (a) Mayelana nokukhanyiswa –

- (i) Kufanele kusetshenziswe okuxhunyiwe kukagesi okusebenza kangcono kuwo wonke amabilidi ngaphandle uma kudingeka okuxhunyiwe kukagesi okuthile okudingakala ngenhloso yebhizinisi nangenxa yohlobo lwebhizinisi olungadngi lokho lokuxhunywayo,
- (ii) Amalambu emgwaqeni kanye nasemgwaqeni enguthela wayeka kufanele abe asebenzisa amandla kangcono futhi nonemvume kufanele aqinisekise ukuthi ugesi uyacmywa emini,
- (iii) Amalambu asemgwaqeni kufanele afakwe izinhlelo ezisebenzisa ugesi kangcono ezivumela ukwehliswa ngokuzenzakaleyo kwamandla ngezikhathi kunezinkinga
- (b) Mayelana nezakhiwo ezikhona, lapho kudingeka okuthile okushisisa amanzi –
- (i) Onemvume kufanele afake okuthile okuphatha ngokuzenzakalelayo ukusatshalaliswa kukagesi ukuya kwisifumezi samanzi esingahlangani nokushisiswa kwamanzi kusetshenziswa ilanga,
- (ii) Umtheshwana (c)(i) kufanele ube ususebenza kungakashayi umhla ka-01 January 2012,
- (c) Mayelana nokufudumeza indawo, ukufaka umoya noma ukuphohsa izakhiwo, kufanele ube ususebenza kungakashayi umhla ka-01 January 2012, onemvume kufanele –
- (i) afake okuthile okuphatha ngokuzenzakalelayo ukusatshalaliswa kukagesi uhlelo lokufudumeza, ukufaka umoya noma ukuphohsa endaweni lapho usatshalaliswa Idiona,
- (ii) axhume uhlelo lokujikelezisa amanzi futhi lufudumeze amadanyana okubhukuda asekhaya (*swimming pool*) kokuthile okuvumela onemvume ukuba aphahe ngokuzenzakelelayo ukusatshalaliswa kukagesi,
- (d) Umthengi noma owusebenzisayo osebenzisa ugesi ongama-500Kwh nangaphezulu ngenyanga kufanele athole uhlelo lwesimathi mitha nangesikhathi sokusetshenziswa kwentela kungakafiki umhla ka- 01 January 2012

- (e) Umtheshwana (b) no (c) ayisebenzi lapho onemvume engakhona ukuthi ehlise noma akhuphule ukusatshalahswa kukagesi ngokuzenzakalelayo esakhiweni esebenzisa uhlelo lwesimathi mitha
- (f) Onemvume angehlisa kuphela ukusatshalahswa kukagesi kubathengi ngesikhathi kunezinkinga Uma kunokuthikamezeka okuhlelwe, onemvume kufanele azise abathengi abathintekayo kusasele usuku ngaphambu kokuba kube nokuthikamezeka kokusatshalahswa kukagesi
- (g) Mayelana nomtheshwana (c) no (d) ongenhla, onemvume angaphatha ngokuzenzakelelayo ukusatshalahswa kukagesi ngezikhathi kunezinkinga kuphela ukuvimba ukucisha kukagesi Osebenza ngoHlelo kufanele akhiphe isaziso esiya konemvume sisho izinkinga mayelana nokukhonaaffuthiacele abasabalalisi ukuba behlase izinga lokudmgeka s

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