

Weights and Measures (Metrological Control of Electricity and Natural Gas
Meters)

GN. No. 17F (contd.)

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THE WEIGHTS AND MEASURES ACT,
(CAP.340)

REGULATIONS

(Made under section 54(1)(j), (aa) and (bb))

WEIGHTS AND MEASURES (METROLOGICAL CONTROL OF
ELECTRICITY
AND NATURAL GAS METERS) REGULATIONS, 2018

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THE WEIGHTS AND MEASURES ACT,
(CAP.340)

REGULATIONS

(Made under section 54(1)(j), (aa) and (bb))

WEIGHTS AND MEASURES (METROLOGICAL CONTROL OF
ELECTRICITY AND NATURAL GAS METERS) REGULATIONS, 2018

PART I
PRELIMINARY PROVISIONS

- Citation 1. These Regulations may be cited as the Weights and Measures (Metrological Control of Electricity and Natural Gas Meters) Regulations, 2018.
- Application 2. These Regulations shall apply in relation to metrological control of electricity and natural gas meters;
- Interpretation 3. In these Regulations, unless the context otherwise requires-
- “absolute pressure scale” means the pressure measuring scale zero of which represents the pressure exerted by a total vacuum;
 - “accreditation audit” means an assessment of the facilities, procedures and capabilities of a meter verifier to ascertain whether the required standards of meter performance control can be met and maintained;
 - “accredited meter verifier” means any person authorized by the Commissioner for purposes of verification, sealing, reverification and resealing of any meter or any class, type or design of meter and the execution of prescribed incidental functions by that person or their employee or agent;
- Cap.340 “Act” means the Weights and Measures Act;
“Agency” means Weight and Measure Agency;
“agent” means a qualified independent organ or individual

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- Cap.340
- responsible for conducting verification of meter;
 - “apparatus” includes any machine, instrument or device;
 - “inspector” means an Officer of Weights and Measures duly appointed under section 14(2) of the Act;
 - “average flowing gas temperature” means the time weighed or the volume weighted average of the temperatures of the gas flowing through a meter during the period a volume of gas is measured by the meter;
 - “average meter pressure” means the time weighted or the volume weighted average of the pressures exerted by the gas within a meter during the period a volume of gas is measured by the meter;
 - “calibration” means operation that, under specified conditions, in a first step, establishes a relation between the quantity values with measurement uncertainties provided by measurement standards and corresponding indications with associated measurement uncertainties and, in a second step, uses this information to establish a relation for obtaining a measurement result from an indication;
- Cap.340
- “Commissioner” means Commissioner for Weights and Measures duly appointed under section 14 of the Act;
 - “contractor” means any person supplying electricity or gas to purchaser;
 - “electricity or gas metering installation” means an installation that consists of more than one electricity or gas meters installed at the same location and that are used for the purpose of obtaining the basis of a charge for electricity or gas supplied to a purchaser;
 - “gauge pressure scale” means the pressure measuring scale the zero of which represents the pressure exerted by the earth’s atmosphere at the time and place the measurement is taken;
 - “Legal metrological control” means control of measuring instruments, metrological supervision and metrological expertise;
 - “measured atmospheric pressure” means the time weighted or volume weighted average of the atmospheric pressures measured at the location of a meter during the period a volume of gas is measured by the meter;
 - “measurement” means process of experimentally obtaining one or more quantity values that can reasonably be attributed to a quantity;

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- Cap.340
- "meter" means an electricity or gas meter used for the purpose of measurements of, or obtaining the basis of a charge for electricity or gas supplied to a purchaser and may include other instruments intended for such purpose;
- "Minister" has the meaning ascribed to it under the Act;
- "gas" means natural gas or any naturally occurring mixture of hydrocarbons in gaseous state, principally methane with varying quantities of ethane, propane, butane and other gases used as fuel or feedstock, whether-
- (a) pressurized to be transported and distributed through pipelines, lateral lines and spur line;
 - (b) compressed in special cylinders or vessels to be efficiently transported or stored as compressed natural gas (CNG) by a special trucks or ships or;
 - (c) liquefied using special facilities to be efficiently transported as liquefied natural gas (LNG);
- "records" means the records required to be kept by a contractor or owner;
- "purchaser" means a person to whom electricity or gas is sold;
- "standard pressure" means the International system of units or an absolute pressure equal to 101.325 kiloPascal;
- "standard temperature" means a temperature that is equal to 15 degree celcius;
- "standard volume" means a volume of gas expressed in cubic meter at standard pressure and temperature in accordance with regulation 7;
- "verification" means testing examination verified as fit for use for trade and stamping measuring instrument;
- "verified meter" means a meter that has been verified in accordance with these Regulations.

PART II
MEASUREMENT OF ELECTRICITY AND NATURAL GAS

Unit of
electricity

- 4.-(1) The unit of measurement for the sale of electricity shall be-
- (a) the watt hour; or
 - (b) the volt-ampere.
- (2) Where the amount of electricity supplied and the time-related demand for electricity supplied are the joint basis of a charge for electricity sold to a purchaser, the unit of measurement for the sale of such electricity shall-

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- (a) with respect to the amount of electricity sold, shall be a unit referred to in sub-regulation (1) of these regulations and,
- (b) with respect to the time-related demand for electricity sold, shall be-
- (i) the watt;
- (ii) the volt-ampere; or
- (3) Where the unit of measurement for the sale of electricity is the volt-ampere, vector addition shall be used to determine the total number of such units in a combination of polyphase circuits.
- Unit of gas 5. The unit of measurement of gas shall, in case of sale by-
- (a) volume, be the cubic metre pursuant to regulation 7;
- (b) energy units, be the joule; and
- (c) mass, be the kilogram.
- Multiples and submultiples of units 6. Where this regulation requires compliance of a unit of measurement specified under regulations 4 and 5, it shall be-
- (a) any multiple or submultiple of the unit so specified; and
- (b) capable of being expressed by way of a prefix specified in fifth schedule of the Act.
- Measurement of volume 7. A volume of gas measured by a meter that registers in units of volume it shall be converted to standard volume under equation-
- $V_s = V_r \times P_m \times T_m \times (F_{pv})^2$, where-
- (a) V_s is the standard volume;
- (b) V_r is the volume registered by the meter;
- (c) P_m is the pressure multiplier established for the meter;
- (d) T_m is the temperature multiplier established for the meter pursuant to regulation 10(1) or 10(2) whichever is applicable; and
- (e) F_{pv} is the super compressibility factor established for the meter.
- Pressure multiplier 8.-(1) The pressure multiplier for pressure converting meter shall be established by using the equation $P_m = P_b/P_s$ where-
- (a) P_m is the pressure multiplier;
- (b) P_b is the pressure expressed on the absolute pressure scale and used as the base pressure for the calibration of

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the pressure converting meter; and

(c) P_s is the standard pressure expressed on the absolute pressure scale

(2) The pressure multiplier for a meter other than a pressure correcting meter shall be established by using the equation,

$P_m = (P_{ga} + P_a)/P_s$ where-

(a) P_m is the pressure multiplier;

(b) P_{ga} is the average meter pressure expressed on the gauge pressure scale;

(c) P_a is-

(i) the mean atmospheric pressure at the meter location, expressed to at least four significant digits;

(ii) the atmospheric pressure calculated for the meter location pursuant to sub regulation 9(1)(a) expressed to at least four significant digits;

(iii) the atmospheric pressure declared for the meter location pursuant to sub regulation 9(2) expressed to at least four significant digits; or

(iv) the measured atmospheric pressure at the meter location, expressed to at least four significant digits; and

(d) P_s is the standard pressure expressed on the absolute pressure scale.

Atmospheric pressure

9.-(1) The atmospheric pressure shall be calculated in the International System Units, for a meter location by using the equation $P_a = 101.325 - (0.0113 \times M)$ kiloPascal where-

(a) P_a is the calculated atmospheric pressure; and

(b) M is the number of meter of elevation of the meter location above mean sea level.

(2) The atmospheric pressure declared for a meter location shall not differ from the atmospheric pressure calculated in the International System Units by more than $0.621 + (0.001 \times P_{ga})$ kilopascal where, P_{ga} is the average meter pressure expressed on the gauge pressure scale

Temperature multiplier

10.-(1) The temperature multiplier for temperature converting meter shall be established by using the equation $T_m = 288.15/(T_b + 273.15)$ where-

(a) T_m is the temperature multiplier; and

(b) T_b is the base gas temperature

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(2) The temperature multiplier of any meter other than a temperature converting meter shall be established in the International System Units, by using the equation $T_m = 288.15/(T_{ga} + 273.15)$ where-

- (a) T_m is the temperature multiplier; and
- (b) T_{ga} is the average flowing gas temperature.

Super compressibility factor

11.-(1) Subject to subregulation (1)(b) and 1(c), the super compressibility factor for any meter shall be established based on-

- (a) the pressure exerted by the gas within the meter and the temperature of the gas flowing through the meter as determined by continuous monitoring at the meter location;
- (b) the relative density, the carbon dioxide content and the nitrogen content of the gas being measured, as determined by-
 - (i) a gas sampling process, if the process gives results that are representative of the gas at the meter location; or
 - (ii) continuous monitoring at the meter location,
- (c) if the parameters of the gas referred to in subparagraph (i) and (ii) vary, either the time weighted or the volume weighted averages of those parameters during the period that the volume of the gas is measured by the meter.

(2) The super compressibility factor for any meter for which the pressure exerted by the gas within the meter expressed on the gauge pressure scale does not exceed 207 kiloPascal in the International system of units may be established based on-

- (a) the pressure exerted by the gas within the meter, established and maintained through the use of a pressure factor metering regulator that has been approved and verified;
 - (b) an assumed flowing gas temperature of 15degree Celsius; and
 - (c) the relative density, the carbon dioxide content and the nitrogen content of the gas being measured as determined by a gas sampling process, if the process gives results that are representative of the gas at the meter location; or
- (3) A super compressibility factor of one may be used if the pressure exerted by the gas within the meter expressed on the

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gauge pressure scale does not exceed 700 kiloPascal.

Sale of gas
by energy
units

12.-(1) Where gas is sold by energy units referred to under regulation 5(b), the number of energy units shall be the product obtained by multiplying-

- (a) the calorific value of a unit of mass of the gas by the number of the said units of mass of the gas; or
- (b) the calorific value of a unit of volume of the gas at a certain temperature and certain pressure by the number of the said units of volume of the gas at the same certain temperature and same certain pressure.

(2) The calorific value of gas referred to in sub-regulation (1) shall be determined by measurement or by calculation based on gas sampling and shall be expressed in terms of one of the following units-

- (a) joules or multiples thereof, per standard cubic metre of gas, free of water vapour;
- (b) joules or multiples thereof, per kilogram of gas, free of water vapour.

(3) The Commissioner shall set out specifications, subject to sub-regulation (2), for determination of the calorific value of gas.

PART III
RECORDS

Contractor's
records

13.-(1) Where the contractor sells gas on the basis of energy units, the records shall contain information respecting the gas distribution system as follows-

- (a) details of the system, including the location of each point of supply of gas thereto;
- (b) the method whereby the calorific value of the gas sold is determined; and
- (c) the calorific value of the gas sold and the variation thereof.

(2) A Contractor's record shall contain the following information respecting the determination of a super compressibility factor-

- (a) details of the system, including the location of each point of supply of gas; and
- (b) the method by which the super compressibility factor of the gas sold is determined.

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Owner's records

14.-(1) The owner of a verified meter shall keep records containing information and documentation, if applicable, for each verified and reverified meter related to the administration of these regulations in such place and for such period as follows-

- (a) the type designation, serial number, rating and multiplier assigned by the manufacturer;
- (b) the purchaser's name and address;
- (c) the inspection number assigned by the contractor;
- (d) the date of the meter's latest reverification;
- (e) the date of the meter's initial verification or purchase;
- (f) the applicable period within which the meter shall be submitted to reverification;
- (g) the most recent certificate issued for the meter by an Inspector or an accredited meter verifier;
- (h) the parent group identification assigned by the owner;
- (i) the meter's current installation address;
- (j) the date of the meter's installation at its present location;
- (k) in the case of an in-service unsealed meter, the date and nature of any maintenance work, and the date and results of any calibration;
- (l) the date or dates on which the meter was sold, scrapped or otherwise disposed of, leased or lost; and
- (m) for each billing period, the metering information used by the owner in establishing a charge.

(2) A verified or reverified meter used in respect of gas, shall contain the following information-

- (a) an indication whether the verified or reverified meter corrects for temperature or pressure, or both;
- (b) the metric conversion factor used for the purpose of billing;
- (c) the mean atmospheric pressure or the atmospheric pressure calculated, declared or measured, as the case may be and applied to measurement calculations;
- (d) where the pressure exerted by the gas within the meter is maintained constant by the use of an approved regulating device, the pressure multiplier established for the meter pursuant to Regulation 8; and
- (e) where the average meter pressure exceeds the mean atmospheric pressure or the atmospheric pressure calculated, declared or measured, as the case may be, pursuant to regulation 8 or 9, by more than 3.5

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kiloPascal in the International system of units;

- (i) in the case of a non-pressure converting meter, the average meter pressure expressed on the gauge pressure scale for each billing period;
- (ii) in the case of a non-temperature converting meter, the average flowing gas temperature for each billing period;
- (iii) the average relative density, the average carbon dioxide content and the average nitrogen content of gas metered for each billing period;
- (iv) the super compressibility factor established and the method of its determination for each billing period; and
- (v) in the case of an orifice meter, the size of the orifice plates and the dimensions of the primary element components in the orifice meter.

(3) Owner's records shall, in addition to the information referred to under subregulation (1), contain the information on a calendar year basis with respect to the verified or reverified meters in use by that owner as follows-

- (a) the total number of verified or reverified meters used to measure electricity or gas supplied;
 - (i) to residential locations;
 - (ii) to industrial or commercial locations; and
 - (iii) to power plants locations.
- (b) a listing of the inspection numbers and types of verified or reverified meters due or overdue for reverification.

(4) Where an owner installs a gas or an electricity meter, his records shall, in addition to the information referred to under subregulation (1), contain information respecting the installation of the meters as follows-

- (a) details of any apparatus, wiring and piping that may affect the accuracy of the meters;
- (b) the consumption on a calendar year basis of electricity or gas at that location; and
- (c) in the case of an electricity metering installation, the overall multiplier.

(5) Where an owner installed a gas metering installation or an electricity metering installation, he shall provide to the Commissioner the information contained in the records prescribing the installed meters as referred to in sub-regulation

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(1)(a) to (d) and (3)(a).

(6) An owner shall retain the records containing the information referred to-

- (a) in subregulation (1) for a period of at least 12 months after the date the meter ceased to be used;
- (b) in subregulation (2) for a period of at least 12 months after the expiration of the calendar year to which the records referred to in that sub regulation apply; and
- (c) in subregulation (3) for a period of at least 12 months after the date the gas metering installation or electricity metering installation, as the case may be, ceased to be used.

PART IV

GRANT OF PERMISSION AND ACCREDITED METER VERIFIERS

Application for permission

15.-(1) An application for permission under regulation 16 shall be made in prescribed form A set out in the first schedule to these Regulations.

(2) An applicant shall make available-

- (a) to the Commissioner the meter or more meters representative of the class, type or design of meter referred to under these regulations; and
- (b) such equipment, material and services as are required to inspect and test the meter or meters.

Granting permission

16. The Commissioner may grant permission for the putting into service, without verification and sealing or without sealing, of any meter or any class, type or design of meter on such terms and conditions and for such period as the Commissioner may specify.

Revocation of permission

17.-(1) Where the person granted permission under regulation 16 fails to comply with terms or conditions, the Commissioner may revoke it by notice.

(2) The notice of revocation shall-

- (a) be communicated by registered mail to the latest known principal place of business of the person to whom the permission was granted; or any other means, and-
- (b) contain the following information-
 - (i) the terms and conditions of the permission;
 - (ii) the meter or class, type or design of meter to which

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- the notice relates;
- (iii) the date of the permission, was granted; and
- (iv) the term or condition of the permission not complied with.

Application
by accredited
meter
verifiers

18. Accredited meter verifier shall make an application to the Commissioner for an authority to conduct verification, sealing, reverification and resealing of any meter or any class, type or design of meter.

(2) An application made under sub regulation (1) shall be made in prescribed form B set out in the First Schedule to these Regulations.

(3) The applicant shall demonstrate through an accreditation audit that-

- (a) has implemented and is maintaining acceptable procedures for-
 - (i) meter performance control;
 - (ii) quality assurance;
 - (iii) meter records;
 - (iv) ensuring the security of seals and sealing tools; and
 - (v) ensuring that only meters that have been properly verified or reverified are sealed; and
- (b) the facilities and test equipment of the applicant are such that all tests required by or pursuant to the Act can be carried out in accordance with these Regulations.

(4) Subject to sub-regulation (1), (2) and (3) the Commissioner shall grant authority by issuing a License to the applicant.

Revocation
of accredited
meter verifier

19.-(1) An authority granted to an accredited meter verifier under regulation 18(4) may, by notice, be revoked by the Commissioner for failure to comply with any conditions to which that authorization was granted.

- (2) The revocation under sub-regulation (1) shall be-
 - (a) sent by registered mail or any means to the latest known address of the accredited meter verifier; and
 - (b) dated and signed by the Commissioner and contain the date of the grant of authority to a accredited meter verifier and the reason(s) for proposing revocation.

Right to
make

20. No permission under regulation 16 or authorization to

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- representation an accredited meter verifier under regulation 18 shall be revoked unless-
- (a) subject to Regulation 19, A fourteen days notice of intention to revoke has been given;
 - (b) any interested person objecting to the proposal has been afforded reasonable opportunity to make representations with respect to his objection; and
 - (c) the representations, if any, so made have been taken into account in deciding whether to implement such proposal.

PART V

VERIFICATION AND REVERIFICATION OF METERS

Establishment of procedures and plans

21.-(1) The Commissioner shall establish and make available the procedures, the manner and circumstances in which meters of any class, type or design are to be verified, sealed, reverified or resealed, and for the manner and circumstances in which any such meters are to be stamped, restamped, labelled, relabelled, tagged, retagged or otherwise marked.

(2) The Commissioner is authorized to establish plans for the verification and reverification of meters of any class, type or design, or in any circumstances, by statistical means on the basis of sampling.

Verification

22.-(1) Subject to permission granted under regulation 16, no meter shall be allowed for use by a contractor or purchaser for the purpose of obtaining the basis of a charge for electricity or gas supplied by or to him unless it is verified and sealed in accordance with the Act.

(2) The Commissioner may appoint an agent to conduct verification of gas or electricity meters on his behalf.

Owner's liability

23. Any person owning a verified meter that is in use shall-

- (a) keep it in good repair;
- (b) ensure that the meter complies with the requirements of these regulations; and
- (c) Subject to regulation 35, pay fees chargeable to any legal metrological control made to the meter in accordance with the requirements.

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Records of accredited meter verifiers

24.-(1) Every accredited meter verifier shall keep records containing such information and documentation for each meter verified or reverified related to the administration of these regulations, in such form, at such place and for such period containing-

- (a) a copy of the certificate of verification or reverification;
- (b) the information where the verification or reverification was done by statistical means on the basis of sampling;
- (c) details of any associated test equipment and its calibration and maintenance; and
- (d) results of any tests carried out in the course of the accredited meter verifier's business.

(2) An accredited meter verifier shall retain the records for a period of not less than five years after the date of the issue of the certificates of verification or reverification.

Reverification

25. At least once in every twelve months, any person who has in his possession any meter used for the purpose of obtaining the basis of a charge for electricity or gas shall allow an Inspector to conduct reverification.

Provided that, the Commissioner may determine the period within which some classes of meter may be subject for verification or reverification.

Certificates

26.-(1) An Inspector shall, upon verification or reverification of a meter, issue certificate of verification or reverification to the owner of a meter.

(2) Where the verification or reverification of a meter conducted by statistical means on the basis of sampling, the certificate of verification or reverification shall include, in addition to the information required by sub-regulation (2), an identification or listing of-

- (a) the parent group or lot; and
- (b) the meters tested.

(3) Where the verification or reverification of a meter has been done by an accredited meter verifier, the Inspector shall issue a certificate for such verification or reverification.

Approval of a meter

27. No meter shall be verified, stamped or authorized for use for trade unless it is of a pattern approved in accordance with the Act and these Regulations.

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Order to withdraw meters from service

28.-(1) The Commissioner may order for the withdrawal of the meter from service on revocation of permission or for any reasonable grounds, having regard to the requirements of these regulations with respect to that meter or meters of its class, type or design.

(2) Subject to subregulation (1), the commissioner shall specify in writing to the owner and state the grounds on which the withdrawal is believed to be necessary.

(3) The owner, to whom such order is given, shall take all reasonable steps to comply therewith.

Calibration of measuring apparatus

29. No measuring apparatus that is required for measurement of electricity or gas or testing of meters that shall be used by an accredited meter verifier or an agent unless it is calibrated by recognized institution or authority and certified by the Commissioner.

PART VI
FUNCTIONS OF AN INSPECTOR

Functions of Inspector

- 30.-(1) The functions of an Inspector shall be to carry out-
- (a) verification of meters and inspection of their installation required for the purposes of these Regulations;
 - (b) verification of meters required to enable the determination of such other period from any or each verification or reverification of a meter as may be determined in any case or class of cases by the Commissioner;
 - (c) an assessment of the facilities, procedures and capabilities of a meter verifier to ascertain whether the required standards of meter performance control can be met and maintained;
 - (d) any investigation required to assist in the determination of whether there is or has been an offence of tempering with meters;
 - (e) any investigations, tests, inquiries and examinations in relation to verification, reverification, permission, accreditation or dispute and
 - (f) such other functions that are related to the functions listed in sub-regulation (1)(a)-(e).

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(2) An Inspector shall not, in the execution of his functions, use any measuring apparatus other than a standard apparatus permitted under regulation 29 of these Regulations.

Examination
of records

31.-(1) All records kept pursuant to these Regulations shall be open for examination by an Inspector during business hours.

(2) For the purpose of subregulation (1), an inspector may make copies or extracts of records where necessary.

PART VII
GENERAL PROVISIONS

Offences and
penalty

32. Any person who contravenes the provisions of these Regulations shall be guilty of an offence and shall, upon conviction, be liable to a penalty prescribed in the Act.

Compoundin
g of offences
Cap.340

33. Subject to the provisions of section 46 of the Act. The defaulter of these Regulations may make a request to the Commissioner to compound an offence. The request shall be made by way of a prescribed form signed as provided for under the first schedule to these Regulations.

(2) Subject to the provisions of subregulation (1), the Commissioner may where he is satisfied that a person has committed an offence under these Regulations, compound the offence by accepting from such person a sum of money not less than one hundred thousand shillings and not exceeding twenty million shillings.

(3) A person compounded pursuant to provision of subregulation (2) shall be issued with an official receipt by the Commissioner, stating the actual amount paid by a defaulter.

(4) In addition to the penalty provided under this regulation, the Commissioner may ask the court to forfeit any weight, or measure or measuring instrument or other item for which the offence was committed.

Appeals and
withdraw

34.-(1) Where a person is aggrieved by any order or decision made under these Regulations, may, within thirty days from the date of issuance of such order or decision, appeal to the Minister in writing against such order or decision.

(2) The Minister, upon considering the grounds for appeal, may-

(a) dismiss the appeal;

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(b) set aside the decision and substitute it with another;
or

(c) vary the decision as he may deem appropriate.

(3) The decision of the Minister shall be communicated in writing to the parties.

(4) The appellant may, at any time after instituting an appeal to the Minister, file a notice of no intention to further execute the appeal.

Fees

35.-(1) Verification and reverification fees specified in the Second Schedule to these Regulations shall be paid annually.

(2) Application fees under Regulation 18 shall be as prescribed in the Second Schedule to these Regulations.

Transition
period

36.-(1) Any meter which has been in use before coming into force of these Regulations shall be deemed to be in use in accordance with the provisions of these Regulations.

(2) The Commissioner shall, within two years of coming into force of these Regulations, verify meters referred to under sub-regulation (1), and may approve such meter if it passes the applicable test.

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FIRST SCHEDULE

FORM A
WEIGHTS AND MEASURES AGENCY (WMA)
P.O.BOX 313 Dar es Salaam

APPLICATION FOR PERMISSION

(Made under regulation 15)

SECTION A: (Particulars of applicant)

1. Name of applicant
Nationality Address: P.O.Box.
Phone:.....email.....
2. Name of
business/company.....Region.....Ward.....Plot
Number/House..... Block.....Area..... District
3. The class, type or design of meter/measuring system to be
applied.....(if any).....
4. Business License Number (if applicable)issued on ...day of20.....
5. TIN Number
6. Name of Director(s) / Name of Manager
7. Declaration:

I/We.....declare that the information is correct to the
best of my knowledge /our knowledge.

Applicant/ Director's signature Date.....

SECTION B: (Recommendation(s) by Regional Manager)

8. I have gone through this application therefore I recommend that the Applicant
should/should not be issued with permission under this Regulation.

If not issued, explain:
Name of Regional Manager Signature and Stamp.....
Date

SECTION C: (Director of technical

Weights and Measures (Metrological Control of Electricity and Natural Gas
Meters)

GN. No. 171 (contd.)

9. The application has been vetted and recommend that the permission be issued/not issued to the applicant.
If not issued, explain.....
Signature Designation Date

SECTION D: (Decision by the Commissioner)

10. I Approve/not approve this application for a grace period of

Signature Designation Date

Weights and Measures (Metrological Control of Electricity and Natural Gas Meters)

GN. No. 171 (contd.)

FORM B

**WEIGHTS AND MEASURES AGENCY (WMA)
P.O.BOX 313 Dar es Salaam**

APPLICATION FOR ACCREDITED METER VERIFIERS

(Made under regulation 18)

1. General Particulars.

| | | | |
|--------------------------------|------|------------------------------|-----------------|
| Name of Applicant. | | WMA issued Registration No.: | |
| Address: | | | |
| Telephone Number: | Fax: | Mobile Phone: | E-mail Address: |
| Name of company representative | | | |

2. Inspection and Working Standards

| | | | |
|--|--------------|--|--|
| Working Standard Address: | | Postal code: | |
| Telephone Number: | Fax: | | |
| ISO 9000 Certification No: | Issued By: | Date of Certification/ Accreditation: | |
| ISO/IEC 17025 Accreditation No: | | | |
| Quality Manager's Name/ Quality Management Representative's Name | | | |
| Qualified Mechanics/Electrics/Electronics/Technicians Employed: | | | |
| | | | |
| (Name) | (Phone No :) | (Education Qualification) | |
| 1) | ..... | ..... |  |
| 2) | ..... | ..... |  |

Weights and Measures (Metrological Control of Electricity and Natural Gas Meters)

GN. No. 171 (contd.)

| | |
|----|-------|
| 3) | ..... |
| 4) | ..... |
| 5) | ..... |
| 6) | ..... |
| 7) | ..... |

3. Type of Measuring Instrument/working Standard/verified/calibrated

| Type and brand of Instrument | Capacity of Instrument |
|------------------------------|------------------------|
| | |
| | |
| | |
| | |

4. Workshop/Testing Facilities.

(Please list out all the necessary tools and machineries, standard measuring instrumentsetc that are used for verification or proving)

| Type | Capacity | Quantity |
|------|----------|----------|
| | | |
| | | |
| | | |
| | | |
| | | |

NOTE: Please submit the following documents (where applicable)

- (a) Application processing fee of Tshs..... payable to WMA.
- (b) A Copy of the Company's Certification to ISO 9001 or Accreditation to ISO/IEC 17025 General Requirements for competence of testing and calibration laboratories.
- (c) A copy of ISO/IEC17025 Quality Manual and supporting documents.
- (d) A copy of the Business Profiles.
- (e) Certified true copies of the incorporation documents
- (f) A copy of the applicants Tax clearance Certificate foe the preceding three years.
- (g) The organization chart with information on its key personnel.

Weights and Measures (Metrological Control of Electricity and Natural Gas Meters)

GN. No. 171 (contd.)

FORM B

WEIGHTS AND MEASURES AGENCY (WMA)
P.O.BOX 313 Dar es Salaam

APPLICATION FOR ACCREDITED METER VERIFIERS

(Made under regulation 18)

1. General Particulars.

| | | | |
|--------------------------------|------|------------------------------|-----------------|
| Name of Applicant. | | WMA issued Registration No.: | |
| Address: | | | |
| Telephone Number: | Fax: | Mobile Phone: | E-mail Address: |
| Name of company representative | | | |

2. Inspection and Working Standards

| | | | |
|--|--------------|--|--|
| Working Standard Address: | | Postal code: | |
| Telephone Number: | Fax: | | |
| ISO 9000 Certification No: | Issued By: | Date of Certification/ Accreditation: | |
| ISO/IEC 17025 Accreditation No: | | | |
| Quality Manager's Name/ Quality Management Representative's Name | | | |
| Qualified Mechanics/Electrics/Electronics/Technicians Employed: | | | |
| | | | |
| (Name) | (Phone No :) | (Education Qualification) | |
| 1) | ..... | ..... |  |
| 2) | ..... | ..... |  |

Weights and Measures (Metrological Control of Electricity and Natural Gas Meters)

GN. No. 171 (contd.)

| | |
|----|-------|
| 3) | ..... |
| 4) | ..... |
| 5) | ..... |
| 6) | ..... |
| 7) | ..... |

3. Type of Measuring Instrument/working Standard/verified/calibrated

| Type and brand of Instrument | Capacity of Instrument |
|------------------------------|------------------------|
| | |
| | |
| | |
| | |

4. Workshop/Testing Facilities.

(Please list out all the necessary tools and machineries, standard measuring instrumentsetc that are used for verification or proving)

| Type | Capacity | Quantity |
|------|----------|----------|
| | | |
| | | |
| | | |
| | | |

NOTE: Please submit the following documents (where applicable)

- (a) Application processing fee of Tshs..... payable to WMA.
- (b) A Copy of the Company's Certification to ISO 9001 or Accreditation to ISO/IEC 17025 General Requirements for competence of testing and calibration laboratories.
- (c) A copy of ISO/IEC17025 Quality Manual and supporting documents.
- (d) A copy of the Business Profiles.
- (e) Certified true copies of the incorporation documents
- (f) A copy of the applicants Tax clearance Certificate foe the preceding three years.
- (g) The organization chart with information on its key personnel.

Weights and Measures (Metrological Control of Electricity and Natural Gas Meters)

GN. No. 17I (contd.)

(h) Layout of testing Facility.

5. Declaration.

I (Name of Applicant), declare that the particulars stated in this application is correct the best of my knowledge and I am aware that any false declaration on my part will result in the withdrawal as recognized Accredited Meter Verifiers /calibrator.

Fulfill all conditions and meet all requirements in accordance with the Weights and Measures Regulations for the designation as a recognized Calibrator.

Indemnify WMA from and against all liabilities, damages, claims, costs and expenses incurred or sustained by WMA relating as a result of any action taken by WMA relating to the designation as a recognized Accredited Meter Verifiers/calibrator.

I also undertake to inform the Commissioner for Weights and Measures immediately of any change in particulars given in this application.

Weights and Measures (Metrological Control of Electricity and Natural Gas Meters)

GN. No. 171 (contd.)

FORM C
WEIGHTS AND MEASURES AGENCY (WMA)
P.O.BOX 313 Dar es Salaam

PART "A"
REQUEST FOR COMPOUNDMENT

(Made under regulation 35)

To: The Commissioner,

At..... (insert name and address of the WMA office)

I.....(name of person or trading name) of
.....(Address), am concerned with a contravention of theWeights and Measures
(Metrological Control of Electricity and Natural Gas Meters) Regulations, 2017;that is to say,
..... (details of the offence
committed), I admit being guilty of the offence and I hereby request you to compound the offence
under these Regulations.

Signed by.....(name) on theday of.....20....

Signature.....

Qualification.....(owner/agent/representative)

PART "B"
ORDER OF COMPOUNDMENT

To.....(name of applicant) at(address of
applicant), I.....(name of Commissioner) of.....(name
of WMA), do hereby make the following order in respect of the offence to which you have pleaded
guilty, that is to say, (details of the order) to the tune of
Tsh..... (insert an amount in
figure).....(insert amount in words).That
this order shall be paid within days from the date hereof.

Dated at..... (Place) thisday of..... 20....

Signed by..... (Name)

Signature and stamp.....

Qualification.....

SECOND SCHEDULE

Weights and Measures (Metrological Control of Electricity, and Natural Gas Meters)

GN. No. 171 (contd.)

Fees

(Made under regulation 35)

- 1 Verification and reverification Fees for electricity meters shall be as follows;
 - (a) Meters used in residencies Tzs10,000/=
 - (b) Meters used in commercial and non commercial institutionalTzs 20,000/=
 - (c) Meters used in industry Tzs 30,000/=

- 2 Verification and reverification Fees for gas flow meters shall be as follows;
 - (a) Meters used in power generation industry Tzs500,000/=
 - (b) Meters used in commercial and non commercial institutions Tzs 100,000/=
 - (c) Meters used in industry Tzs 100,000/=
 - (d) Meters used in residencies Tzs 10,000/=

- 3
 - (a) Application fees for accredited meter verifiers TZS 500,000/=
 - (b) Licence fees for accredited meter verifiers TZS 2,000,000/=

Dodoma,
7th February, 2018

CHARLES J.P MWIJAGE,
Minister for Industry, Trade and Investment