

The Republic of Kiribati



Metrology Act 2021

Metrology (Standards and fees) Regulations 2026

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PART I - PRELIMINARY

1. Title and commencement

(1) These regulations may be cited as the *Metrology (Standards and fees) Regulations 2026*

2. Interpretation

(1) In these regulations unless the context otherwise requires –

‘Act’ means the Metrology Act 2021

‘Calibration’ means the operation that, under specified conditions -

- i. in the first step establishes a relation between the quantity values with measurement uncertainties provided by measurement standards and corresponding indications with associated measurement uncertainties and
- ii. in the second step uses this information to establish a relation for obtaining a measurement result from an indication

‘Director’ means the Director appointed under section 5(2) of the Act.

‘Division’ means the Metrology Division established by section 5(1) of the Act.

‘Error’ is the difference between the nominal (marked) quantity and the value ascertained on calibration.

‘MPE’ – means the maximum permissible error.

‘National standard’ means the standard recognised by the Division that provides traceability of measurement to the International System of Units (SI).

‘non-automatic weighing instrument’ is an instrument that requires the intervention of an operator during the weighing process to decide that the result is acceptable.

‘Reference standard’ means a measurement standard designated for the calibration of other measurement standards for quantities of a given kind.

‘Regulated instrument’ means a regulated measuring instrument used for the purposes defined in section 23 of the Act.

‘Secretary’ means the Secretary responsible for commerce.

‘Test equipment’ means equipment used to calibrate measuring instruments, to verify regulated instruments and to test the quantity of product.

‘Type approval’ means the conformity assessment procedure which results in the issuing of a certificate.

‘Uncertainty’ means a parameter characterizing the dispersion of the values being attributed to measure, based on the information used, with a coverage factor $k=2$.

‘Working standard’ means the equipment used by the Division to verify a regulated instrument.

(2) Unless the context otherwise requires, a reference to a numbered regulation or schedule is a reference to the regulation or schedule so numbered in these regulations.

Part II – General

3. General

- (1) National standards, reference standards, working standards and test equipment maintained by the Division, or any other facility authorised by the Minister under section 6(1) of the Act to maintain standards or test equipment, shall comply with the requirements herein.
- (2) A record shall be maintained by the division for each national standard, reference standard, working standard and test equipment containing the following:
 - a. Details of the equipment and its unique identification mark
 - b. Date and details of the calibration result as found and also after adjustment where necessary
 - c. The due date for the next calibration
 - d. Evidence of verification that the equipment conforms with specified requirements
 - e. Details of any damage, malfunction, modification, or repair of the equipment
- (3) If any equipment is found outside its specified requirements, the non-conforming work process shall be implemented by the responsible division, and records retained of:
 - a. The root cause of the problem
 - b. The extent and impact of the problem
 - c. Actions taken to remedy the problem
 - d. Actions to prevent a similar occurrence

PART III – Calibration

4. Calibration period

- (1) The calibration period for each standard or test equipment shall be one year until records demonstrate that the specified requirements can be met for longer periods.
- (2) The maximum period between calibrations shall be for:
 - a. National measurement standards, 10 years
 - b. Reference measurement standards, 5 years
 - c. Working standards, 2 years
- (3) Test equipment, such as balances and thermometers, shall have been calibrated within the previous year before use.

5. Specified requirements

- (1) The requirements for each standard and test equipment are specified in schedule 1.

Part IV – Fees

6. Fees

- (1) Schedule 3 specifies the:
 - a. Prescribed fees for type approval pursuant to section 27(2) of the Act, the approved fee for verification pursuant to section 24(2) of the Act for regulated measuring instruments, and
 - b. Prescribed sum to pay for an appeal pursuant to section 50(3) of the Act.

- (2) Where the Director requires the periodic verification to be performed by another organisation under section 6(2) of the Act the fee will be set by the Director.
- (3) These fees shall be reviewed as the Director thinks fit.

Schedule 1 – Measurement standards

7. Weights

Weights of accuracy classes E2, F1, F2, M1 and M2 shall be calibrated with an uncertainty of measurement not exceeding one-third of the maximum permissible errors (MPE) specified in table 1 of OIML R111:2004, and shall be adjusted if necessary, such that the error from the nominal value plus uncertainty does not exceed the specified MPE.

8. Capacity measures

Measures for verifying liquid fuel and oil measuring system shall meet the following requirements at the nominal capacity and any graduation:

- a. 5 litre – the error plus the uncertainty of measurement shall not exceed 15 ml
- b. 20 litre - the error plus the uncertainty of measurement shall not exceed 60 ml

9. Length measures

Measures shall be calibrated against a measure of a higher class as specified in OIML R035:2007 and shall meet the MPE for as specified therein.

10. Thermometers

The error plus the uncertainty shall meet the manufacturer's specified tolerance.

11. Electricity meter test bench

Shall be of a higher class than the meters being verified and shall meet the manufacturer's specifications

Schedule 2 – Test equipment

12. Environmental equipment

- (1) Thermometers used for determining the temperature of products shall meet the following:
 - a. an uncertainty not exceeding 0.1 °C and
 - b. an error plus uncertainty not exceeding 0.5 °C
- (2) Hygrometers shall meet the following:
 - a. An uncertainty not exceeding 2 %RH and
 - b. The error plus uncertainty not exceeding 5 %RH
- (3) Barometers shall meet the following:
 - a. An uncertainty not exceeding 0.2 kPa
 - b. The error plus uncertainty not to exceed 1 kPa

13. Other test equipment

The uncertainty plus the error shall not exceed the user's specifications, or if none, the manufacturer's specifications.

Schedule 3 – Fees

Licence or Service	Period	Charge fees
Minimum visit charge shall apply where a visit has to be made to a premises to carry out any of the functions below regardless of the nature or amount of work requested or completed.		
Visits carried out partly or entirely outside of normal office hours may incur a surcharge of 50% of the standard fee or standard hourly rate, per officer per hour.		
1 METROLOGY		
A.	<u>Weights:</u>	
(1)	Weights up to 20 kg	6 months \$25.00
(2)	Adjustment of weights	6 months \$25.00
B.	<u>Measures:</u>	
(1)	Linear measures not exceeding 3m or for each scale	6 months \$20.00
(2)	Capacity measures without divisions not exceeding 1 litre	6 months \$25.00
(3)	Liquid capacity measures for making up and checking average quantity packages	6 months \$30.00
C.	<u>Non-Automatic Weighing Instruments:</u>	
(1)	Not exceeding 1 tonne	6 months \$50.00
	Exceeding 1 tonne but not exceeding 10 tonne	6 months \$100.00
	Exceeding 10 tonne	6 months \$150.00
(2)	A charge to cover any additional costs will be based on the above plus	

additional costs at \$50.00 per hour.

D. <u>Liquid fuel dispensers:</u>			
(1)	1st meter tested on site (up to 200 litre)	6 months	\$50.00
	Subsequent meters tested on the same site	6 months	\$40.00
	All other meters tested (200 litre up to 2,000 litre)	6 months	\$100.00
(2)	Charge to cover any additional costs involved in testing ancillary equipment that requires additional testing on site based on basic fee as above plus additional costs at an hourly rate.	6 months	\$50.00
E. <u>Meter measuring systems:</u>			
(1)	(a) Wet hose type with two testing liquids	6 months	\$50.00
	(b) Dry hose type with two testing liquids	6 months	\$50.00
	(c) Dual hose wet/dry	6 months	\$50.00
	(d) Standard temperature accounting	6 months	\$50.00
	(e) Measure check (requested by business)	6 months	\$50.00
F. <u>Reference Meters:</u>			
	Reference meter testing 6 monthly -1 Fuel; 1 speed (requested by business)	6 months	\$100.00
	Reference meter testing bi-annual -2 Fuel; 5 Speeds per fuel (requested by business)	6 months	\$100.00

G. <u>Miscellaneous:</u>			
(1)	The charges for examining, adjusting, testing, certifying, stamping, authorising or reporting of special weighing or measuring equipment is charged at the officer hourly rate at the place where the service is provided. Such types of equipment, specifically:		
(a)	Automatic or totalising weighing machines.	6 months	\$50.00
(b)	Equipment designed to weigh loads in motion.		per hour
(c)	Weighing or measuring equipment tested by means of statistical sampling.		
(d)	The establishment of calibration curves from templates.		
(e)	Templates graduated in millilitres.		
(2)	<u>Certificates</u>		
(a)	Calibration certificate (when not normally supplied)	6 months	\$100.00
(b)	Duplicate certificate	6 months	\$100.00
(3)	<u>Abortive Visits</u>		
	Abortive site visits (Only charged after written warning).	6 months	\$100.00

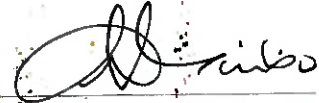
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Secretary to the Cabinet