National Trade Measurement Amendment Regulation (No. 1)1

Select Legislative Instrument 2012 No. 302

I, QUENTIN BRYCE, Governor-General of the Commonwealth of Australia, acting with the advice of the Federal Executive Council, make the following regulation under the *National Measurement Act 1960*.

Dated 6 December

QUENTIN BRYCE

Governor-General

By Her Excellency’s Command

GREG COMBET

Minister for Industry and Innovation

1 Name of regulation

 This regulation is the *National Trade Measurement Amendment Regulation 2012 (No. 1)*.

2 Commencement

 This regulation commences on 1 January 2013.

3 Amendment of *National Trade Measurement Regulations 2009*

 Schedule 1 amends the *National Trade Measurement Regulations 2009*.

Schedule 1 Amendments

(section 3)

[] Paragraph 5.6 (b)

substitute

 (b) electricity meters installed before 1 January 2013;

 (ba) electricity meters installed on or after 1 January 2013, other than electricity meters that measure less than 750 MWh of energy per year;

[] Paragraph 5.6 (d)

substitute

 (d) water meters installed on or after 1 July 2004, other than cold water meters with a maximum continuous flow rate capacity of not more than 4 000 litres per hour.

[] Schedule 1, Part 3, Division 2, clause 1

substitute

 1 For in‑service inspection of instruments with digital indication, add 0.5 scale interval to the maximum permissible error for in‑service inspection that applies to an analog instrument.

 1A However, item 1 does not apply to an instrument with digital indication if the scale interval for the instrument is less than or equal to 0.2 dm2.

[] Schedule 1, Part 3, Division 6, clause 5

substitute

 5 The maximum permissible error for any load equal to or greater than the minimum capacity and equal to or less than the maximum capacity in automatic operation is:

 (a) if the national instrument test procedures that apply to catch weighers eliminate the need for digital rounding—the maximum permissible error set out in table 13 minus a verification scale interval of 0.5 e; or

 (b) in any other case—set out in table 13.

*Note*The national instrument test procedures are defined in the Act and are available at www.nmi.gov.au.

[] Schedule 1, Part 3, Division 11

omit

**Table 1 Maximum permissible errors for water meters**

insert

**Table 17 Maximum permissible errors for water meters**

[] Schedule 1, Part 3, after Division 11

insert

Division 12 Electricity meters

 1 In this Division:

***Ib***, for an electricity meter of a kind mentioned in clause 3, is the basic current.

***Imax***, for an electricity meter of a kind mentioned in clause 3 or 4, is the maximum current.

***In***, for an electricity meter of a kind mentioned in clause 4, is the nominal current.

Accuracy classes

 2 Electricity meters are classified into the following accuracy classes:

 (a) 0.2;

 (b) 0.5;

 (c) 1;

 (d) 1.5.

Maximum permissible errors—direct‑connected electricity meters

 3 The maximum permissible errors for the following kinds of electricity meters are set out, for an item, in columns 4 and 5 of table 18:

 (a) single phase direct‑connected electricity meters with an accuracy class mentioned, for the item, in column 4 or 5 of that table;

 (b) polyphase direct‑connected electricity meters with an accuracy class mentioned, for the item, in column 4 or 5 of that table.

 4 The maximum permissible errors mentioned in column 4 or 5 of table 18 apply at the current rate and power factor mentioned, for an item, in column 2 and 3 of that table.

**Table 18 Single phase and polyphase direct‑connected electricity meters**

| Item | Current range | Power factor | Maximum permissible error (%) |
| --- | --- | --- | --- |
|  |  |  | Accuracy class 1 | Accuracy class 1.5 |
| 1 | 0.05 Ib ≤ I < 0.1 Ib | 1 | ±1.5% | ±1.5% |
| 2 | 0.1 Ib ≤ I ≤ Imax | 1 | ±1.0% | ±1.5% |
| 3 | 0.1 Ib ≤ I < 0.2 Ib | 0.5 inductive | ±1.5% | ±1.5% |
| 4 | 0.1 Ib ≤ I < 0.2 Ib | 0.8 capacitive | ±1.5% | ‑ |
| 5 | 0.2 Ib ≤ I ≤ Imax | 0.5 inductive | ±1.0% | ±1.5% |
| 6 | 0.2 Ib ≤ I ≤ Imax | 0.8 capacitive | ±1.0% | ‑ |

Maximum permissible errors—transformer‑operated electricity meters

 5 The maximum permissible errors for the following kinds of electricity meters are set out, for an item, in columns 4, 5 and 6 of table 19:

 (a) single phase transformer‑operated electricity meters with an accuracy class mentioned, for the item, in column 4, 5 or 6 of that table;

 (b) polyphase transformer‑operated electricity meters with an accuracy class mentioned, for the item, in column 4, 5 or 6 of that table.

 6 The maximum permissible errors mentioned in column 4, 5 or 6 of table 19 apply at the current rate and power factor mentioned, for an item, in column 2 and 3 of that table.

**Table 19 Single phase and polyphase transformer‑operated electricity meters**

| Item | Current range | Power factor | Maximum permissible error (%) |
| --- | --- | --- | --- |
|  |  |  | Accuracy class 0.2 | Accuracy class 0.5 | Accuracy class 1 |
| 1 | 0.01 In ≤ I < 0.05 In | 1 | ±0.4% | ±1.0% | ‑ |
| 2 | 0.02 In ≤ I < 0.05 In | 1 | ‑ | ‑ | ±1.5% |
| 3 | 0.05 In ≤ I ≤ Imax | 1 | ±0.2% | ±0.5% | ±1.0% |
| 4 | 0.02 In ≤ I < 0.1 In | 0.5 inductive | ±0.5% | ±1.0% | ‑ |
| 5 | 0.02 In ≤ I < 0.1 In | 0.8 capacitive | ±0.5% | ±1.0% | ‑ |
| 6 | 0.05 In ≤ I < 0.1 In | 0.5 inductive | ‑ | ‑ | ±1.5% |
| 7 | 0.05 In ≤ I < 0.1 In | 0.8 capacitive | ‑ | ‑ | ±1.5% |
| 8 | 0.1 In ≤ I ≤ Imax | 0.5 inductive | ±0.3% | ±0.6% | ±1.0% |
| 9 | 0.1 In ≤ I ≤ Imax | 0.8 capacitive | ±0.3% | ±0.6% | ±1.0% |

[] Schedule 2, Part 1, subitems 5.1 to 5.3

substitute

|  |  |  |
| --- | --- | --- |
|  | 5.1 | Fuel dispensers used for petroleum products other than LPG |
|  | 5.2 | Flow meters used for petroleum products |
|  | 5.3 | Flow meters used for liquids other than petroleum products |

[] Schedule 2, Part 1, subitems 10.1 and 10.2

substitute

|  |  |  |
| --- | --- | --- |
|  | 10.1 | Fuel dispensers used for LPG, other than cryogenic liquids |
|  | 10.2 | Flow meters used for LPG, other than cryogenic liquids |

[] Schedule 2, Part 1, subitems 15.1 to 15.3

substitute

|  |  |  |
| --- | --- | --- |
|  | 15.1 | Grain |
|  | 15.2 | Cane sugar |
|  | 15.3 | Wine grapes |

**Note**

1. All legislative instruments and compilations are registered on the Federal Register of Legislative Instruments kept under the *Legislative Instruments Act 2003.* See [www.comlaw.gov.au](http://www.comlaw.gov.au/).