



# National Measurement Amendment Regulations 2007 (No. 1)<sup>1</sup>

## Select Legislative Instrument 2007 No. 147

---

I, PHILIP MICHAEL JEFFERY, Governor-General of the Commonwealth of Australia, acting with the advice of the Federal Executive Council, make the following Regulations under the *National Measurement Act 1960*.

Dated 7 June 2007

P. M. JEFFERY  
Governor-General

By His Excellency's Command

BOB BALDWIN  
Parliamentary Secretary to the Minister for Industry, Tourism  
and Resources

---

**1 Name of Regulations**

These Regulations are the *National Measurement Amendment Regulations 2007 (No. 1)*.

**2 Commencement**

These Regulations commence on 1 July 2007.

**3 Amendment of *National Measurement Regulations 1999***

Schedule 1 amends the *National Measurement Regulations 1999*.

**Schedule 1 Amendments**

(regulation 3)

**[1] Regulation 3, definition of *certification***

*substitute*

*certification* means:

- (a) for a measuring instrument (except a measuring instrument to which paragraph (b) applies) — certification of the instrument under regulation 37; and
- (b) for a measuring instrument in use for trade — certification of the instrument under the relevant State or Territory trade measurement legislation; and
- (c) for a reference material — certification of the material under regulation 48.

---

[2] **Regulation 3, after definition of *defence equipment***

*insert*

***Inspectors' Class 1 standard*** means a reference standard of measurement that has been verified in accordance with regulation 13 and that complies with the requirements of regulations 27 and 32 for the maximum permissible uncertainty and the maximum permissible variation of an Inspectors' Class 1 standard.

***Inspectors' Class 2 standard*** means a reference standard of measurement that has been verified in accordance with regulation 13 and that complies with the requirements of regulations 28 and 33 for the maximum permissible uncertainty and the maximum permissible variation of an Inspectors' Class 2 standard.

***Inspectors' Class 3 standard*** means a reference standard of measurement that has been verified in accordance with regulation 13 and that complies with the requirements of regulations 29 and 34 for the maximum permissible uncertainty and the maximum permissible variation of an Inspectors' Class 3 standard.

[3] **Regulation 3, definition of *maximum permissible error***

*substitute*

***maximum permissible error***, for a material measure or measuring instrument, means the maximum limit of error that:

- (a) if a certificate is issued on or after 1 July 2007 for the material measure or measuring instrument — is mentioned in the certificate; or
- (b) otherwise — is mentioned in Schedule 12 for a material measure or measuring instrument of that kind.

**[4] Regulation 3, after definition of *maximum permissible error***

*insert*

***recertification***, for a measuring instrument or reference material, means certification of the instrument or material after the initial certification of the instrument or material.

***reverification***, for a standard of measurement or a measuring instrument, means verification of the standard or instrument after the initial verification of the standard or instrument.

**[5] Regulation 3, after definition of *SI***

*insert*

***State secondary standard*** means a reference standard of measurement that has been verified in accordance with regulation 13 and that complies with the requirements of regulation 25 for the maximum permissible uncertainty of a State secondary standard.

***State tertiary standard*** means a reference standard of measurement that has been verified in accordance with regulation 13 and that complies with the requirements of regulation 26 for the maximum permissible uncertainty of a State tertiary standard.

**[6] Regulation 3, after definition of *time***

*insert*

***variant*** means a change made to the pattern of an instrument, subject to the arrangement of the components of the instrument and the measuring element being substantially of the same design as that of the approved pattern.

---

**[7] Regulation 3, definition of *verification***

*substitute*

*verification* means:

- (a) for a standard of measurement — verification of the standard under regulation 13; and
- (b) for a measuring instrument in use for trade — verification of the instrument under the relevant State or Territory trade measurement legislation.

**[8] Regulation 19, note**

*omit*

24,

**[9] Sub-regulation 77 (2)**

*omit*

regulation 20 or subregulation 24 (2).

*insert*

regulation 20.

**[10] Subparagraph 87 (d) (ii)**

*substitute*

- (ii) maximum permissible errors mentioned in Division 1 of Part 3 of Schedule 12.

**[11] Regulation 90B**

*substitute*

**90B Fees**

- (1) For paragraph 20 (1) (1) of the Act, the fees for activities undertaken by the Commonwealth are set out in Schedule 13.

- (2) In Schedule 13, level 1 applies to:
- (a) the following kinds of measuring instruments:
    - (i) volume measuring instruments of the following kinds:
      - (A) simple liquor measures or dispensers;
      - (B) simple indicators or counters for flow;
      - (C) driveway flowmeter fuel dispenser consoles (excluding computer-based systems);
      - (D) pulse counters and pulse generators;
      - (E) milk tanks;
      - (F) vehicle and other tanks;
    - (ii) weighing and dimensional measuring instruments of the following kinds:
      - (A) class 3 and 4 weighing instruments  $\leq 100$  kg;
      - (B) simple instruments or counters for weighing;
      - (C) pulse counters and pulse generators; and
  - (b) examination and certification, under mutual recognition agreements, of patterns of measuring instruments of the following kinds:
    - (i) simple instruments with one or two variants;
    - (ii) load cells with 1 or 2 variants.
- (3) In Schedule 13, level 2 applies to:
- (a) the following kinds of measuring instruments:
    - (i) volume measuring instruments of the following kinds:
      - (A) multi-liquor measuring systems;
      - (B) driveway flowmeters fuel dispensers (except liquefied petroleum gas flowmeters and multiproduct pumps);
      - (C) tank level gauges (excluding volume conversion devices);
      - (D) electronic flowmeter indicators or calculators;
      - (E) milk meters;

- 
- (F) computer operated consoles for fuel dispensers;
  - (G) mass flowmeters;
  - (ii) weighing and dimensional measuring instruments of the following kinds:
    - (A) class 1 and 2 weighing instruments;
    - (B) class 3 and 4 weighing instruments >100 kg;
    - (C) overhead-track weighing instruments;
    - (D) semi-automatic multi-dimensional measuring instruments;
    - (E) static wheel weighers;
    - (F) length measuring instruments;
    - (G) area measuring instruments; and
  - (b) examination and certification, under mutual recognition agreements, of patterns of measuring instruments of the following kinds:
    - (i) simple instruments with 3 or 4 variants;
    - (ii) load cells with three or four variants;
    - (iii) instruments with integral printers;
    - (iv) fuel dispensers.
- (4) In Schedule 13, level 3 applies to:
- (a) the following kinds of measuring instruments:
    - (i) volume measuring instruments of the following kinds:
      - (A) milk metering systems;
      - (B) bulk flowmeters (including mass flowmeters);
      - (C) controllers and indicator calculators with conversion or linearisation functions for flow;
      - (D) multi-product fuel dispensers and driveway and bulk flowmeters for liquefied petroleum gas;

- (ii) weighing and dimensional measuring instruments of the following kinds:
    - (A) belt weighers;
    - (B) weighing-in-motion systems for trains and road vehicles;
    - (C) catchweighers;
    - (D) totalising hopper weighers;
    - (E) controllers and indicator calculators with conversion or linearisation functions for weighing;
    - (F) automatic multi-dimensional measuring instruments; and
  - (b) examination and certification, under mutual recognition agreements, of patterns of measuring instruments of the following kinds:
    - (i) simple instruments with 5 variants;
    - (ii) automatic instruments; and
  - (c) examination and certification of patterns of measuring instruments other than those covered by mutual recognition agreements.
- (5) In Schedule 13, level 3 also applies to examination and certification, under mutual recognition agreements, of simple instruments with more than 5 variants, subject to each variant in excess of 5 variants attracting an additional extra or miscellaneous fee as set out in the column headed 'Level 3 Fee' in item 2 in table 3 in Part 3 of Schedule 13.

**[12] Schedule 2, Part 1, table, after item 1.8**

*insert*

|     |               |              |     |   |
|-----|---------------|--------------|-----|---|
| 1.9 | concentration | Degrees Brix | °Bx | concentration in grams of solute per 100g of an aqueous solution of pure sucrose, having the same density as a sugar solution at the same temperature |
|-----|---------------|--------------|-----|---|



---

|      |               |           |     |   |
|------|---------------|-----------|-----|---|
| 1.10 | concentration | Degrees Z | °Z  | concentration equivalent to 0.26g of sucrose per 100g of an aqueous solution of pure sucrose  |
| 1.11 | concentration | Pol       | Pol | concentration in grams of solute per 100g of an aqueous solution of pure sucrose having the same optical rotation as a sugar solution at the same temperature |

**[13] Schedule 2, Part 2, table, after item 2.8**

*insert*

|      |              |                                     |
|------|--------------|-------------------------------------|
| 2.9  | Degrees Brix | measurements of sugar concentration |
| 2.10 | Degrees Z    | measurements of sugar concentration |
| 2.11 | Pol          | measurements of sugar concentration |

**[14] Schedule 12**

*substitute*

**Schedule 12 Maximum permissible errors**

(regulation 3, definition of *maximum permissible error*)

**Part 1 Interpretation**

- 1 In this Schedule:  
*verification* does not include reverification.
- 2 In Part 5 of this Schedule:  
*certification* does not include recertification.

## Part 2 Material measures

### Division 1 Length

**Table 1 Measures of Length**

| Item | Lengths                                | Maximum permissible error from zero to any scale mark for certification, verification or reverification |
|------|--|---|
| 1    | not more than 500 mm                   | $\pm 0.5$ mm  |
| 2    | more than 500 mm but not more than 2 m | $\pm 1$ mm  |
| 3    | more than 2 m but not more than 100 m  | $\pm 0.05\%$  |

### Division 2 Weight

**Table 2 Non-ferrous weights marked 'A'**

| Item | Denomination | Maximum permissible error (mg) |                |        |
|------|--------------|--------------------------------|----------------|--------|
|      |              | Certification or verification  | Reverification |        |
|      |              |                                | Deficiency     | Excess |
| 1    | 1 mg         | +0.1                           | -0.05          | +0.1   |
| 2    | 2 mg         | +0.2                           | -0.1           | +0.2   |
| 3    | 5 mg         | +0.3                           | -0.15          | +0.3   |
| 4    | 10 mg        | +0.4                           | -0.2           | +0.4   |
| 5    | 20 mg        | +0.6                           | -0.3           | +0.6   |
| 6    | 50 mg        | +0.9                           | -0.45          | +0.9   |
| 7    | 100 mg       | +1.3                           | -0.65          | +1.3   |
| 8    | 200 mg       | +2                             | -1             | +2     |
| 9    | 500 mg       | +3                             | -1.5           | +3     |
| 10   | 1 g          | +4                             | -2             | +4     |
| 11   | 2 g          | +5.5                           | -2.75          | +5.5   |
| 12   | 5 g          | +9                             | -4.5           | +9     |
| 13   | 10 g         | +12.5                          | -6.25          | +12.5  |

| Item | Denomination | Maximum permissible error (mg) |                |        |
|------|--------------|--------------------------------|----------------|--------|
|      |              | Certification or verification  | Reverification |        |
|      |              |                                | Deficiency     | Excess |
| 14   | 20 g         | +18                            | -9             | +18    |
| 15   | 50 g         | +28                            | -14            | +28    |
| 16   | 100 g        | +40                            | -20            | +40    |
| 17   | 200 g        | +60                            | -30            | +60    |
| 18   | 500 g        | +90                            | -45            | +90    |
| 19   | 1 kg         | +130                           | -65            | +130   |
| 20   | 2 kg         | +220                           | -110           | +220   |
| 21   | 5 kg         | +280                           | -140           | +280   |
| 22   | 10 kg        | +400                           | -200           | +400   |
| 23   | 20 kg        | +560                           | -280           | +560   |

**Table 3 Non-ferrous weights not marked 'A'**

| Item | Denomination | Maximum permissible error (mg) |                |        |
|------|--------------|--------------------------------|----------------|--------|
|      |              | Certification or verification  | Reverification |        |
|      |              |                                | Deficiency     | Excess |
| 1    | 1 g          | +60                            | -30            | +60    |
| 2    | 2 g          | +60                            | -30            | +60    |
| 3    | 5 g          | +60                            | -30            | +60    |
| 4    | 10 g         | +120                           | -60            | +120   |
| 5    | 20 g         | +120                           | -60            | +120   |
| 6    | 50 g         | +120                           | -60            | +120   |
| 7    | 100 g        | +120                           | -60            | +120   |
| 8    | 200 g        | +170                           | -85            | +170   |
| 9    | 500 g        | +270                           | -135           | +270   |
| 10   | 1 kg         | +380                           | -190           | +380   |
| 11   | 2 kg         | +650                           | -325           | +650   |
| 12   | 5 kg         | +850                           | -425           | +850   |

| Item | Denomination | Maximum permissible error (mg) |                |        |
|------|--------------|--------------------------------|----------------|--------|
|      |              | Certification or verification  | Reverification |        |
|      |              |                                | Deficiency     | Excess |
| 13   | 10 kg        | +1 200                         | -600           | +1 200 |
| 14   | 20 kg        | +1 700                         | -850           | +1 700 |

**Table 4 Iron Weights**

| Item | Denomination | Maximum permissible error (mg) |                |        |
|------|--------------|--------------------------------|----------------|--------|
|      |              | Certification or verification  | Reverification |        |
|      |              |                                | Deficiency     | Excess |
| 1    | 100 g        | +240                           | -120           | +240   |
| 2    | 200 g        | +340                           | -170           | +340   |
| 3    | 500 g        | +540                           | -270           | +540   |
| 4    | 1 kg         | +760                           | -380           | +760   |
| 5    | 2 kg         | +1 300                         | -650           | +1 300 |
| 6    | 5 kg         | +1 700                         | -850           | +1 700 |
| 7    | 10 kg        | +2 400                         | -1 200         | +2 400 |
| 8    | 20 kg        | +3 400                         | -1 700         | +3 400 |

**Table 5 Metric carat weights**

| Item | Denomination (CM) | Maximum permissible error (mg) |                |        |
|------|-------------------|--------------------------------|----------------|--------|
|      |                   | Certification or verification  | Reverification |        |
|      |                   |                                | Deficiency     | Excess |
| 1    | 0.005             | +0.1                           | -0.05          | +0.1   |
| 2    | 0.01              | +0.1                           | -0.05          | +0.1   |
| 3    | 0.02              | +0.1                           | -0.05          | +0.1   |
| 4    | 0.05              | +0.1                           | -0.05          | +0.1   |
| 5    | 0.1               | +0.1                           | -0.05          | +0.1   |
| 6    | 0.2               | +0.15                          | -0.075         | +0.15  |
| 7    | 0.5               | +0.2                           | -0.1           | +0.2   |

| Item | Denomination<br>(CM) | Maximum permissible error (mg)   |                |        |
|------|----------------------|----------------------------------|----------------|--------|
|      |                      | Certification or<br>verification | Reverification |        |
|      |                      |                                  | Deficiency     | Excess |
| 8    | 1                    | +0.2                             | -0.1           | +0.2   |
| 9    | 2                    | +0.3                             | -0.15          | +0.3   |
| 10   | 5                    | +0.5                             | -0.25          | +0.5   |
| 11   | 10                   | +0.7                             | -0.35          | +0.7   |
| 12   | 20                   | +1                               | -0.5           | +1     |
| 13   | 50                   | +2                               | -1             | +2     |
| 14   | 100                  | +2                               | -1             | +2     |
| 15   | 200                  | +3                               | -1.5           | +3     |
| 16   | 500                  | +5                               | -2.5           | +5     |

### Division 3 Volume

**Table 6 Conical measures**

| Item | Capacity (L) | Maximum permissible error (mL)   |                |
|------|--------------|----------------------------------|----------------|
|      |              | Certification or<br>verification | Reverification |
| 1    | 0.5          | +5                               | ±5             |
| 2    | 1            | +6                               | ±6             |
| 3    | 2            | +10                              | ±10            |
| 4    | 4            | +15                              | ±15            |
| 5    | 5            | +20                              | ±20            |
| 6    | 10           | +30                              | ±30            |
| 7    | 20           | +45                              | ±45            |

**Table 7 Cylindrical line measures**

| Item | Capacity (L) | Maximum permissible error (mL) |                |                |
|------|--------------|--------------------------------|----------------|----------------|
|      |              | Certification or verification  | Reverification |                |
|      |              |                                | Glass measures | Metal Measures |
| 1    | 0.5          | ±5                             | ±5             | ±10            |
| 2    | 1            | ±10                            | ±10            | ±20            |
| 3    | 2            | ±15                            | ±15            | ±30            |
| 4    | 5            | ±30                            | ±30            | ±60            |
| 5    | 10           | ±45                            | ±45            | ±90            |
| 6    | 20           | ±70                            | ±70            | ±140           |

**Table 8 Cylindrical brim measures made of glass or metal for alcoholic liquor**

| Item       | Capacity (mL) | Maximum permissible error (mL) |                |      |                |
|------------|---------------|--------------------------------|----------------|------|----------------|
|            |               | Certification or verification  | Reverification |      |                |
|            |               |                                | Glass measures |      | Metal Measures |
| Deficiency | Excess        |                                |                |      |                |
| 1          | 15            | +1                             | 0              | +1   | ±1             |
| 2          | 30            | +2                             | 0              | +2   | ±2             |
| 3          | 60            | +3.5                           | 0              | +3.5 | ±3.5           |

**Table 9 Cylindrical line measures made of metal for special purposes**

| Item | Capacity (L) | Purpose   | Maximum permissible error (mL) |                |
|------|--------------|-----------|--------------------------------|----------------|
|      |              |           | Certification or verification  | Reverification |
| 1    | 12           | Ice cream | ±50                            | ±100           |
| 2    | 45           | Milk      | ±150                           | ±300           |

**Table 10 Portable measures for potable liquids – line measures**

| Item | Type         | Maximum permissible error (mL) |                |                |
|------|--------------|--------------------------------|----------------|----------------|
|      |              | Certification or verification  | Reverification |                |
|      |              |                                | Glass measures | Metal Measures |
| 1    | line measure | ±3%                            | ±3%            | ±6 %           |

**Table 11 Portable measures for potable liquids – brim measures**

| Item | Type         | Maximum permissible error (mL) |                |          |
|------|--------------|--------------------------------|----------------|----------|
|      |              | Certification or verification  | Reverification |          |
|      |              |                                | Deficiency     | Excess   |
| 1    | brim measure | +6%                            | 0              | +6% ±6 % |

#### **Division 4 Dispensing measures including pharmaceutical measures**

**Table 12 Conical dispensing measures**

| Item | Scale Mark (mL) | Maximum permissible error at each scale mark (mL) for certification, verification or reverification |
|------|-----------------|---|
| 1    | 1               | ±0.08   |
| 2    | 2               | ±0.12   |
| 3    | 3               | ±0.16   |
| 4    | 4               | ±0.20   |
| 5    | 5               | ±0.25   |
| 6    | 6, 7, 8         | ±0.3  |
| 7    | 9               | ±0.4  |
| 8    | 10              | ±0.4  |
| 9    | 15              | ±0.5  |
| 10   | 20              | ±0.6  |
| 11   | 30              | ±0.8  |

---

| Item | Scale Mark (mL) | Maximum permissible error at each scale mark (mL) for certification, verification or reverification |
|------|-----------------|---|
| 12   | 40, 50          | $\pm 1.0$   |
| 13   | 60, 70, 80, 90  | $\pm 1.5$   |
| 14   | 100, 120, 140   | $\pm 2.0$   |
| 15   | 160, 180, 200   | $\pm 3.0$   |

---

**Table 13 Beaker dispensing measures**

| Item | Capacity (mL) | Maximum permissible error at each scale mark on a particular measure (mL) for certification, verification or reverification |
|------|---------------|---|
| 1    | 500           | $\pm 5$   |
| 2    | 1000          | $\pm 7$   |

---

**Table 14 Lubricating oil measures**

| Item | Capacity (L) | Maximum permissible error (mL) for certification, verification or reverification |
|------|--------------|--|
| 1    | 0.5          | +20  |
| 2    | 1            | +30  |

---

**Table 15 Graduated measuring cylinders**

| Item | Capacity (mL) | Maximum permissible error at each scale mark on a particular measure (mL) for certification, verification or reverification |
|------|---------------|---|
| 1    | 5             | $\pm 0.1$   |
| 2    | 10            | $\pm 0.2$   |
| 3    | 25            | $\pm 0.5$   |
| 4    | 50            | $\pm 1$   |
| 5    | 100           | $\pm 1$   |
| 6    | 250           | $\pm 2$   |
| 7    | 500           | $\pm 5$   |
| 8    | 1000          | $\pm 10$  |
| 9    | 2000          | $\pm 20$  |

---



## Part 3 Measuring instruments

### Division 1 Length-measuring instruments

**Table 1** Length-measuring instruments

| Item | Type of indication | Maximum permissible error        |                              |
|------|--------------------|----------------------------------|------------------------------|
|      |                    | Certification or verification    | Reverification               |
| 1    | analog             | $\pm 0.5\%$                      | $\pm 1\%$                    |
| 2    | digital            | $\pm 0.5\% + 0.5$ scale interval | $\pm 1\% + 1$ scale interval |

### Division 2 Area-measuring instruments

*Single-measurement error — instruments with analog indication*

**Table 2** Instruments with analog indication

| Item | Area of template(s) (dm <sup>2</sup> ) | Maximum permissible error (dm <sup>2</sup> )                               |  |
|------|--|--|--|
|      |  | Certification or verification  | Reverification   |
| 1    | Not exceeding 25                       | $\pm 0.5$  | $\pm 1.0$  |
| 2    | Exceeding 25                           | $\pm(0.5 + 1 \text{ dm}^2$ for each additional 50 dm <sup>2</sup> or part) | $\pm(1 + 2 \text{ dm}^2$ for each additional 50 dm <sup>2</sup> or part) |

*Single-measurement error — instruments with digital indication*

- For instruments with digital indication add 0.5 scale interval to the maximum permissible error for an analog instrument.

*Mean error*

- 2 On analog and digital instruments the mean of 20 measurements must not differ from the denominated value of the template by more than half the maximum permissible error mentioned in table 2.

*Note* The test templates for measuring instruments with digital indication must have values that are an integral number of square decimetres.

**Division 3 Farm milk tanks**

The maximum permissible error for all scale marks on the dipsticks for certification, verification or reverification is  $\pm 1$  scale interval.

**Table 3 Farm milk tanks**

| Item | Maximum capacity (L)   | Maximum scale interval (L) |
|------|------------------------|----------------------------|
| 1    | $\leq 1\ 000$          | 2                          |
| 2    | $1\ 000 \leq 2\ 500$   | 5                          |
| 3    | $2\ 500 \leq 5\ 000$   | 10                         |
| 4    | $5\ 000 \leq 10\ 000$  | 20                         |
| 5    | $10\ 000 \leq 25\ 000$ | 50                         |

**Division 4 Vehicle tanks***Tanks used only for sullage*

- 1 The maximum permissible error for certification, verification or reverification for each scale mark on a sight tube is  $\pm 0.5$  scale interval.

*Vehicle tanks except for sullage*

- 2 The maximum permissible error applicable to a vehicle tank for certification, verification or reverification is:
- (a) for a tank with a capacity mark —  $\pm 0.2\%$  of the indicated volume; and

- (b) for a tank with a dipstick —  $\pm 0.5$  scale interval for each scale mark on the dipstick.

## Division 5 Liquid-measuring systems

### *Accuracy classes*

- 1 Liquid-measuring systems are classified into 5 accuracy classes as set out in table 4.

**Table 4 Liquid-measuring systems — Accuracy classes**

| Item | Accuracy Class | Field of application   |
|------|----------------|--|
| 1    | 0.3            | Measuring systems on pipeline  |
| 2    | 0.5            | All measuring systems if not differently stated elsewhere in this table, in particular: <ul style="list-style-type: none"> <li>(a) fuel dispensers for motor vehicles (except LPG dispensers); and</li> <li>(b) measuring systems on road tankers for liquids of low viscosity; and</li> <li>(c) measuring systems for the unloading of ships' tanks and rail and road tankers; and</li> <li>(d) measuring systems for milk; and</li> <li>(e) measuring systems for loading ships; and</li> <li>(f) measuring systems for refuelling aircraft</li> </ul>   |
| 3    | 1.0            | Measuring systems (except LPG dispensers) for liquefied gases under pressure measured at a temperature equal to or above $-10^{\circ}\text{C}$<br>LPG dispensers for motor vehicles<br>Measuring systems normally in class 0.3 or 0.5 but used for liquids: <ul style="list-style-type: none"> <li>(a) the temperature of which is less than <math>-10^{\circ}\text{C}</math> or greater than <math>50^{\circ}\text{C}</math>; or</li> <li>(b) the dynamic viscosity of which is higher than 1 000 mPa.s; or</li> <li>(c) the maximum volumetric flow rate of which is not higher than 20 L/h</li> </ul> |

| Item | Accuracy Class | Field of application   |
|------|----------------|--|
| 4    | 1.5            | Measuring systems for liquefied carbon dioxide<br>Measuring systems (except LPG dispensers) for liquefied gases under pressure measured at a temperature below $-10^{\circ}\text{C}$ |
| 5    | 2.5            | Measuring systems for liquids at a temperature below $-153^{\circ}\text{C}$  |

*Maximum permissible errors*

- 2 For volumes equal to or greater than 2 L, and subject to clauses 4 and 5, the maximum permissible error on volume indications are set out in table 5.

**Table 5 Volumes equal to or greater than 2 L**

| Item | Accuracy class | Maximum permissible error   |             |                   |
|------|----------------|---|-------------|-------------------|
|      |                | Certification, verification or reverification excluding conversion device | A           | Conversion device |
| 1    | 0.3            | $\pm 0.2\%$   | $\pm 0.3\%$ | $\pm 0.1\%$       |
| 2    | 0.5            | $\pm 0.3\%$   | $\pm 0.5\%$ | $\pm 0.2\%$       |
| 3    | 1.0            | $\pm 0.6\%$   | $\pm 1.0\%$ | $\pm 0.4\%$       |
| 4    | 1.5            | $\pm 1.0\%$   | $\pm 1.5\%$ | $\pm 0.5\%$       |
| 5    | 2.5            | $\pm 1.5\%$   | $\pm 2.5\%$ | $\pm 1.0\%$       |

- 3 For volumes less than 2 L, and subject to clauses 4 and 5, the maximum permissible errors, positive or negative, on volume indications are set out in table 6.

**Table 6 Volumes less than 2 L**

| Item | Measured quantity                 | Maximum permissible errors             |
|------|-----------------------------------|--|
| 1    | $\geq 1\text{ L}, < 2\text{ L}$   | Value fixed in table 5, applied to 2 L |
| 2    | $\geq 0.4\text{ L}, < 1\text{ L}$ | $2 \times$ the value fixed in table 5  |

---

| Item | Measured quantity                     | Maximum permissible errors                              |
|------|---------------------------------------|---|
| 3    | $\geq 0.2 \text{ L}, < 0.4 \text{ L}$ | $2 \times$ the value fixed in table 5, applied to 0.4 L |
| 4    | $\geq 0.1 \text{ L}, < 0.2 \text{ L}$ | $4 \times$ the value fixed in table 5                   |
| 5    | $< 0.1 \text{ L}$                     | $4 \times$ the value fixed in table 5, applied to 0.1 L |

---

- 4 However, whatever the measured quantity may be, the magnitude of the maximum permissible error is the greater of the following 2 values:
- the absolute value of the maximum permissible error in table 5 or table 6;
  - the minimum specified volume deviation under clause 5.
- 5 For minimum measured quantities equal to or greater than 2 L, the minimum specified volume deviation ( $E_{\min}$ ) is calculated using the formula:

$$E_{\min} = 2 \times V_{\min} \times \frac{A}{100}$$

where:

$V_{\min}$  is the minimum measured quantity.

$A$  is the maximum permissible error specified in the column headed 'A' of table 5 for the accuracy class of the measuring system.

- 6 For minimum measured quantities less than 2 L, the minimum specified volume deviation is twice the value set out in table 6 and related to the column headed 'A' in table 5.

*Note* The minimum specified volume deviation is an absolute maximum permissible error.

*Accuracy of associated measuring instruments*

- 7 Associated measuring instruments must exhibit an accuracy at least as good as the values set out in tables 7A, 7B and 7C for the accuracy class of the measuring system.

**Table 7A Associated measuring instruments — Temperature**

| Item | Accuracy classes of the measuring system | Maximum permissible error on measuring temperature |
|------|--|--|
| 1    | 0.3                                      | $\pm 0.3^{\circ}\text{C}$                          |
| 2    | 0.5, 1.0 and 1.5                         | $\pm 0.5^{\circ}\text{C}$                          |
| 3    | 2.5                                      | $\pm 1^{\circ}\text{C}$                            |

**Table 7B Associated measuring instruments — Pressure**

| Item | Accuracy classes of the measuring system | Maximum permissible error on measuring pressure   |
|------|--|---|
| 1    | 0.3, 0.5, 1.0, 1.5 and 2.5               | Less than 1 MPa: $\pm 50$ kPa<br>between 1 and 4 MPa: $\pm 5\%$<br>more than 4 MPa: $\pm 200$ kPa |

**Table 7C Associated measuring instruments — Density**

| Item | Accuracy classes of the measuring system | Maximum permissible error on measuring density |
|------|--|--|
| 1    | 0.3, 0.5, 1.0, 1.5 and 2.5               | $\pm 10$ kg/m <sup>3</sup>                     |

*Price computing devices*

- 8 The price indicated must equal the price calculated for the volume and unit price indicated within the following maximum permissible errors as set out in table 8.

**Table 8 Price computing devices**

| Item | Unit Price  | Maximum permissible error for certification, verification and reverification |
|------|---|--|
| 1    | Not more than \$1 per litre                             | $\pm 0.9$ cent   |
| 2    | More than \$1 per litre but not more than \$2 per litre | $\pm 1$ cent   |

| Item | Unit Price   | Maximum permissible error for certification, verification and reverification |
|------|--|--|
| 3    | More than \$2 per litre but not more than \$5 per litre  | $\pm 2.5$ cents  |
| 4    | More than \$5 per litre but not more than \$10 per litre | $\pm 5$ cents  |

### *Beverage dispensers*

**Table 9 Beverage dispensers for alcoholic liquor**

| Item | Capacity (mL) | Maximum permissible error (mL)    |                             |                             |
|------|---------------|-----------------------------------|-----------------------------|-----------------------------|
|      |               | Certification or verification     | Reverification              |                             |
|      |               |                                   | Deficiency                  | Excess                      |
| 1    | 10            | $\pm 0.5$ mL                      | -0.5 mL                     | +1.0 mL                     |
| 2    | 15            | $\pm 0.6$ mL                      | -0.6 mL                     | +1.2 mL                     |
| 3    | 30            | $\pm 1.0$ mL                      | -1.0 mL                     | +2.0 mL                     |
| 4    | 60–100        | $\pm 1.5$ mL                      | -1.5 mL                     | +3.0 mL                     |
| 5    | > 100         | $\pm 1.5\%$ of quantity dispensed | -1.5% of quantity dispensed | +3.0% of quantity dispensed |

## **Division 6 Weighing instruments**

### *Class 1, 2, 3 or 4 non-automatic instruments*

- 1 The maximum permissible errors for increasing and decreasing loads, expressed in terms of verification scale interval ( $e$ ), with an instrument adjusted to zero with  $\pm 0.25 e$  at no load, are set out in table 10.

**Table 10 Class 1, 2, 3 or 4 non-automatic instruments**

| Item | Load                    |                       |                    |                 | Maximum permissible error |
|------|-------------------------|-----------------------|--------------------|-----------------|---------------------------|
|      | Class 1                 | Class 2               | Class 3            | Class 4         |                           |
| 1    | 0 to 50 000 e           | 0 to 5 000 e          | 0 to 500 e         | 0 to 50 e       | ±0.5 e                    |
| 2    | > 50 000 e, ≤ 200 000 e | > 5 000 e, ≤ 20 000 e | > 500 e, ≤ 2 000 e | > 50 e, ≤ 200 e | ±1 e                      |
| 3    | > 200 000 e             | > 20 000 e            | > 2 000 e          | > 200 e         | ±1.5 e                    |

- 2 For digital indication or printing, a permissible error does not include the positive or negative error arising from rounding up or down to the nearest whole number of scale intervals.

*Unclassified even-arms scales*

**Table 11 Unclassified even-arm scales**

| Item | Capacity | Maximum permissible error |             |         |                |
|------|----------|---------------------------|-------------|---------|----------------|
|      |          | Balances                  | Beam scales |         | Counter scales |
|      |          |                           | Class B     | Class C |                |
| 1    | 5 g      | ±4 mg                     | ±10 mg      | -       | -              |
| 2    | 25 g     | ±6 mg                     | ±15 mg      | ±60 mg  | -              |
| 3    | 50 g     | -                         | ±20 mg      | -       | -              |
| 4    | 100 g    | -                         | ±30 mg      | -       | -              |
| 5    | 250 g    | -                         | ±60 mg      | ±240 mg | -              |
| 6    | 500 g    | ±12 mg                    | ±100 mg     | ±400 mg | ±1.5 g         |
| 7    | 1 kg     | -                         | ±150 mg     | ±600 mg | ±2.5 g         |
| 8    | 2 kg     | -                         | ±250 mg     | ±1 g    | ±3.5 g         |
| 9    | 5 kg     | ±70 mg                    | ±500 mg     | ±2 g    | ±6 g           |
| 10   | 10 kg    | -                         | ±1 g        | ±4 g    | ±8 g           |
| 11   | 15 kg    | -                         | ±1.5 g      | ±6 g    | ±10 g          |
| 12   | 25 kg    | ±120 mg                   | ±2.5 g      | ±10 g   | ±15 g          |
| 13   | 50 kg    | -                         | ±4.5 g      | ±20 g   | ±25 g          |



- 3 The maximum permissible error for even-arm scales must be half the amount specified in table 11 for loads not more than half capacity and the whole amount specified for loads more than half to maximum capacity.

*Other unclassified instruments*

- 4 The maximum permissible errors for self-indicating weighing instruments and graduated non-self-indicating weighing instruments, with an instrument adjusted to zero within  $\pm 0.25$  scale interval at no load must be:
- (a)  $\pm 0.5$  scale interval for the first 500 scale intervals; and
  - (b)  $\pm 1$  scale interval for more than 500 but not more than 2 000 scale intervals; and
  - (c)  $\pm 1.5$  scale intervals for more than 2 000 scale intervals.

*Belt weighers*

**Table 12 Belt weighers**

| Item | Class | Maximum permissible error for certification or verification | Maximum permissible error for reverification |
|------|-------|---|--|
| 1    | 0.5   | $\pm 0.25\%$  | $\pm 0.5\%$                                  |
| 2    | 1.0   | $\pm 0.5\%$   | $\pm 1.0\%$                                  |
| 3    | 2.0   | $\pm 1.0\%$   | $\pm 2.0\%$                                  |

*Catch weighers*

- 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 set out in table 13.

**Table 13 Catch weighers**

| Item | Load ( <i>m</i> ) expressed in verification scale intervals ( <i>e</i> ) |                   | Maximum permissible error for class Y (a) or Y (b) instruments — certification, verification or reverification |
|------|--|-------------------|--|
|      | Class Y (a)  | Class Y (b)       |  |
| 1    | $0 < m \leq 500$   | $0 < m \leq 50$   | $\pm 1.5 e$  |
| 2    | $500 < m \leq 2\,000$  | $50 < m \leq 200$ | $\pm 2 e$  |

| Item | Load ( $m$ ) expressed in verification scale intervals ( $e$ ) |                       | Maximum permissible error for class Y (a) or Y (b) instruments — certification, verification or reverification |
|------|--|-----------------------|--|
|      | Class Y (a)  | Class Y (b)           |  |
| 3    | $2\ 000 < m \leq 10\ 000$                                      | $200 < m \leq 1\ 000$ | $\pm 2.5 e$  |

## Division 7 Automatic rail-weighbridges

### *Accuracy classes*

- 1 Automatic rail-weighbridges are divided into the following 4 accuracy classes:
  - (a) 0.2;
  - (b) 0.5;
  - (c) 1;
  - (d) 2.
- 2 An instrument may be in an accuracy class for wagon weighing that is different from that for train weighing.

### *Maximum permissible errors — Weighing in motion*

**Table 14 Maximum permissible errors for weighing in motion**

| Item | Accuracy class | Percentage of weight of single wagon or total train, as appropriate |                |
|------|----------------|---|----------------|
|      |                | Certification or verification                                       | Reverification |
| 1    | 0.2            | $\pm 0.10\%$  | $\pm 0.2\%$    |
| 2    | 0.5            | $\pm 0.25\%$  | $\pm 0.5\%$    |
| 3    | 1              | $\pm 0.50\%$  | $\pm 1.0\%$    |
| 4    | 2              | $\pm 1.00\%$  | $\pm 2.0\%$    |

*Wagon weighing*

- 3 The maximum permissible error for coupled or uncoupled wagon weighing is the greatest of the following values:
- (a) the value calculated according to table 14, rounded to the nearest scale interval  $d$ ;
  - (b) the value calculated according to table 14, rounded to the nearest scale interval for the weight of a single wagon equal to 35% of the maximum wagon weight (as inscribed on the descriptive markings);
  - (c)  $1 d$ .

*Train weighing*

- 4 The maximum permissible error for train weighing is the greatest of the following values:
- (a) the value calculated according to table 14, rounded to the nearest scale interval  $d$ ;
  - (b) the value calculated according to table 14 for the weight of a single wagon equal to 35% of the maximum wagon weight (as inscribed on the descriptive markings) multiplied by the number of reference wagons in the train (not exceeding 10 wagons) and rounded to the nearest scale interval;
  - (c)  $1 d$  for each wagon in the train, but not exceeding  $10 d$ .

*Maximum permissible errors — Static weighing*

- 5 The maximum permissible errors on static weighing for increasing or decreasing loads must be the appropriate values set out in table 15.

**Table 15 Static weighing**

| Item | Maximum permissible errors | Load ( $m$ ) expressed in numbers of scale intervals |
|------|----------------------------|--|
| 1    | $\pm 0.5 d$                | $0 \leq m \leq 500$                                  |
| 2    | $\pm 1.0 d$                | $500 < m \leq 2\,000$                                |
| 3    | $\pm 1.5 d$                | $2\,000 < m \leq 10\,000$                            |

*Minimum capacity*

- 6 The minimum capacity must not be less than 1 t, and not greater than the value of the result of the minimum wagon weight divided by the number of partial weighing.

*Minimum wagon weight*

- 7 The minimum wagon weight must not be less than 50 d.

**Division 8 Grain protein measuring instruments**

The maximum permissible errors at verification, certification or reverification are:

- (a) wheat —  $\pm 0.4\%$  at 11% moisture; and  
 (b) barley —  $\pm 0.5\%$  at 0% moisture.

**Division 9 Water Vending Machines****Table 16 Water vending machines at all volumes vended**

| Item | Maximum permissible error     |                |        |
|------|-------------------------------|----------------|--------|
|      | Certification or verification | Reverification |        |
|      |                               | Deficiency     | Excess |
| 1    | $\pm 1.5\%$                   | -1.5%          | +3%    |

## Part 4 Utility meters

### Division 1 Water meters

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

| Item | Verification   | Reverification   |
|------|--|--|
| 1    | <p><math>\pm 5\%</math> in the flow rate range where the flow rate (<math>Q</math>) is greater than or equal to the minimum flow rate (<math>Q_1</math>) and less than the transitional flow rate (<math>Q_2</math>).</p> <p>ie: <math>Q_1 \leq Q &lt; Q_2</math></p> <p><math>\pm 2\%</math> in the flow rate range if the flow rate (<math>Q</math>) is greater than or equal to the transitional flow rate (<math>Q_2</math>) and less than or equal to the maximum flow rate (<math>Q_4</math>).</p> <p>ie: <math>Q_2 \leq Q \leq Q_4</math></p> | <p><math>\pm 4\%</math> in the flow rate range if the flow rate (<math>Q</math>) is greater than or equal to 0.075 times the maximum continuous flow rate (<math>Q_3</math>) and less than or equal to the maximum flow rate (<math>Q_4</math>).</p> <p>ie: <math>0.075 Q_3 \leq Q \leq Q_4</math></p> |

## Part 5 Legal Measuring instruments

### Division 1 Evidential Breath Analysers

When comparing the error of an evidential breath analyser with the corresponding maximum permissible error, this maximum permissible error must be rounded to the value of the verification scale interval. The error of a reading indicated by an evidential breath analyser may be greater than the maximum permissible error by one least significant digit.

**Table 1 Evidential Breath Analysers**

| Item | Mass concentration  | Maximum permissible error for certification | Maximum permissible error for recertification |
|------|---|---|---|
| 1    | Not more than 0.08 g/210 litres                                   | $\pm 0.004$ g/210 litres                    | $\pm 0.006$ g/210 litres                      |
| 2    | More than 0.08 g/210 litres but not more than 0.4 g/210 inclusive | $\pm 5\%$ of measured concentration         | $\pm 8\%$ of measured concentration           |

| Item | Mass concentration         | Maximum permissible error for certification | Maximum permissible error for recertification |
|------|----------------------------|---|---|
| 3    | More than 0.4 g/210 litres | ±20% of measured concentration              | ±30% of measured concentration                |

**[15] Schedule 13***substitute***Schedule 13 Fees**

(regulation 90B)

**Part 1 Examination and certification of volume measuring instruments****Table 1 Examination and certification of volume measuring instruments**

| Item | Activity code | Activity                            | Level 1 Fee | Level 2 Fee | Level 3 Fee |
|------|---------------|-------------------------------------|-------------|-------------|-------------|
| 1    | AP            | Application for examination         | \$264       | \$264       | \$264       |
| 2    | IA            | Initial assessment                  | \$704       | \$1 056     | \$1 408     |
| 3    | IP            | Initial performance                 | \$1 232     | \$1 584     | \$2 112     |
| 4    | TT            | Temperature test                    | \$1 180     | \$1 888     | \$1 888     |
| 5    | HU            | Humidity test                       | \$1 024     | \$1 024     | \$1 280     |
| 6    | VT            | Voltage test                        | \$704       | \$880       | \$880       |
| 7    | LB            | Line-borne interference test        | \$1 416     | \$1 416     | \$1 416     |
| 8    | SD            | Static discharge test               | \$944       | \$1 652     | \$1 652     |
| 9    | EMS           | Electromagnetic susceptibility test | \$3 912     | \$4 238     | \$4 890     |
| 10   | ESS           | Endurance span stability test       | \$944       | \$1 652     | \$3 776     |
| 11   | EXT           | Extra or miscellaneous test         | \$176       | \$880       | \$1 056     |
| 12   | CHK           | Checklist                           | \$528       | \$1 056     | \$1 056     |
| 13   | SR            | Summary report                      | \$264       | \$264       | \$352       |

| Item | Activity code | Activity                                   | Level 1 Fee    | Level 2 Fee    | Level 3 Fee    |
|------|---------------|--|----------------|----------------|----------------|
| 14   | CP            | Certificate preparation                    | \$352          | \$880          | \$1 056        |
| 15   | HRS           | Consultations, performance and other tests | \$176 per hour | \$176 per hour | \$176 per hour |

*Note* Table 1 sets out three levels of fees that apply to the instruments described, respectively, by subparagraphs 90B (2) (a) (i), (3) (a) (i) and (4) (a) (i).

## Part 2 Examination and certification of weighing and dimensional measuring instruments

**Table 2 Examination and certification of weighing and dimensional measuring instruments**

| Item | Activity code | Activity                             | Level 1 Fee | Level 2 Fee | Level 3 Fee |
|------|---------------|--------------------------------------|-------------|-------------|-------------|
| 1    | AP            | Application for examination          | \$264       | \$264       | \$264       |
| 2    | IA            | Initial assessment                   | \$704       | \$880       | \$1 056     |
| 3    | IP            | Initial performance                  | \$1 760     | \$3 520     | \$3 520     |
| 4    | TT            | Temperature test                     | \$1 652     | \$2 360     | \$2 832     |
| 5    | HU            | Humidity test                        | \$896       | \$1 024     | \$1 280     |
| 6    | VT            | Voltage test                         | \$528       | \$704       | \$880       |
| 7    | LB            | Line-borne interference test         | \$708       | \$944       | \$1 180     |
| 8    | SD            | Static discharge test                | \$708       | \$708       | \$826       |
| 9    | EMS           | Electromagnetic susceptibility tests | \$3 260     | \$3 586     | \$3 912     |
| 10   | ESS           | Endurance span stability test        | \$708       | \$944       | \$1 180     |
| 11   | EXT           | Extra or miscellaneous test          | \$616       | \$704       | \$1 056     |
| 12   | CHK           | Checklist                            | \$1 144     | \$1 496     | \$1 760     |
| 13   | SR            | Summary report                       | \$616       | \$968       | \$1 144     |

| Item | Activity code | Activity                                   | Level 1 Fee          | Level 2 Fee          | Level 3 Fee          |
|------|---------------|--|----------------------|----------------------|----------------------|
| 14   | CP            | Certificate preparation                    | \$352                | \$704                | \$1 232              |
| 15   | HRS           | Consultations, performance and other tests | \$176<br>per<br>hour | \$176<br>per<br>hour | \$176<br>per<br>hour |

*Note* Table 2 sets out three levels of fees that apply to the instruments described, respectively, by subparagraphs 90B (2) (a) (ii), (3) (a) (ii) and (4) (a) (ii).

### Part 3 Examination and certification of patterns of measuring instruments

**Table 3 Examination and certification of patterns of measuring instruments**

| Item | Activity code | Activity                                   | Level 1 Fee          | Level 2 Fee          | Level 3 Fee          |
|------|---------------|--|----------------------|----------------------|----------------------|
| 1    | AP            | Application fee                            | \$264                | \$264                | \$264                |
| 2    | EXT           | Extra or Miscellaneous                     | \$352                | \$528                | \$704                |
| 3    | IA            | Initial assessment                         | \$1 144              | \$2 024              | \$2 904              |
| 4    | SR            | Summary report                             | \$616                | \$616                | \$616                |
| 5    | CP            | Issue of certificate of approval           | \$704                | \$1 056              | \$1 056              |
| 6    | HRS           | Consultations, performance and other tests | \$176<br>per<br>hour | \$176<br>per<br>hour | \$176<br>per<br>hour |

*Note* Table 3 sets out three levels of fees that apply to the instruments described, respectively, by:

- (a) paragraph 90B (2) (b) — the level 1 fee; and
- (b) paragraph 90B (3) (b) — the level 2 fee; and
- (c) paragraph 90B (4) (b) and (c) and subregulation 90B (5) — the level 3 fee.



## Part 4 Examination and certification of evidential breath analysers

**Table 4 Examination and certification of evidential breath analysers**

| Item | Activity code | Activity                                   | Fee               |
|------|---------------|--|-------------------|
| 1    | AP            | Application fee                            | \$264             |
| 2    | IA            | Initial assessment                         | \$616             |
| 3    | TT            | Temperature test                           | \$354             |
| 4    | HU            | Humidity test                              | \$256             |
| 5    | VT            | Voltage test                               | \$792             |
| 6    | LB            | Line-borne interference test               | \$2 124           |
| 7    | SD            | Static discharge test                      | \$1 888           |
| 8    | EMS           | Electromagnetic susceptibility test        | \$22 820          |
| 9    | MS            | Mechanical shock                           | \$352             |
| 10   | ME            | Magnetic effect                            | \$616             |
| 11   | HC            | Hydrocarbons                               | \$528             |
| 12   | SF            | Supply frequency                           | \$176             |
| 13   | HTS           | High temperature storage                   | \$236             |
| 14   | DHC           | Damp heat cyclic                           | \$256             |
| 15   | DCP           | DC power supply                            | \$3 060           |
| 16   | DCR           | Ripple on DC                               | \$2 560           |
| 17   | VB            | Vibration                                  | \$8 140           |
| 18   | DB            | Durability                                 | \$3 168           |
| 19   | EXT           | Extra or miscellaneous                     | \$704             |
| 20   | CHK           | Checklist                                  | \$880             |
| 21   | SR            | Summary report                             | \$528             |
| 22   | CP            | Certificate preparation                    | \$704             |
| 23   | HRS           | Consultations, performance and other tests | \$176<br>per hour |

---

## Part 5 Examination and certification of grain protein measuring instruments

**Table 5 Examination and certification of grain protein measuring instruments**

| Item | Activity code | Activity                                   | Fee               |
|------|---------------|--|-------------------|
| 1    | AP            | Application fee                            | \$264             |
| 2    | IA            | Initial assessment                         | \$616             |
| 3    | IP            | Initial performance                        | \$1 408           |
| 4    | TT            | Temperature test                           | \$4 248           |
| 5    | HU            | Humidity test                              | \$1 664           |
| 6    | VT            | Voltage test                               | \$264             |
| 7    | LB            | Line-borne interference test               | \$590             |
| 8    | SD            | Static discharge test                      | \$708             |
| 9    | EMS           | Electromagnetic susceptibility test        | \$3 423           |
| 10   | EXT           | Extra or miscellaneous test                | \$704             |
| 11   | CHK           | Checklist                                  | \$704             |
| 12   | SR            | Summary report                             | \$616             |
| 13   | CP            | Certificate preparation                    | \$528             |
| 14   | HRS           | Consultations, performance and other tests | \$176<br>per hour |

## Part 6 Examination and certification of utility meters

**Table 6 Examination and certification of utility metres**

| Item | Activity code | Activity           | Fee     |
|------|---------------|--------------------|---------|
| 1    | AP            | Application fee    | \$264   |
| 2    | IA            | Initial assessment | \$1 496 |
| 3    | SR            | Summary report     | \$616   |

| Item | Activity code | Activity                                   | Fee               |
|------|---------------|--|-------------------|
| 4    | CP            | Certificate preparation                    | \$880             |
| 5    | HRS           | Consultations, performance and other tests | \$176<br>per hour |

## Part 7 Verification of utility meters used for trade

**Table 7** Verification of utility meters used for trade

| Item | Activity code | Activity                       | Fee     |
|------|---------------|--------------------------------|---------|
| 1    | VUM           | Verification of utility meters | \$1 000 |

## Part 8 Additional fees for use of equipment in examination of instruments

**Table 8** Additional fees for use of equipment in examination of instruments

| Item | Activity code | Equipment used  | Fee (\$) per hour |
|------|---------------|---|-------------------|
| 1    | LARLOA        | Large load cell facility (capacity 600 kg to 50 000 kg) | 60                |
| 2    | SMALOA        | Small load cell facility (capacity 50 kg to 500 kg)     | 60                |
| 3    | LIQHYD        | Liquid hydrocarbons test facility                       | 150               |
| 4    | LPG           | Liquefied petroleum gas test facility                   | 150               |
| 5    | CNG           | Compressed natural gas test facility                    | 150               |
| 6    | TEMP          | Temperature controlled chamber                          | 60                |
| 7    | HUM           | Humidity test chamber                                   | 80                |
| 8    | REL           | Reliability testing equipment                           | 60                |
| 9    | LINBOR        | Line-borne interference test equipment                  | 60                |
| 10   | EMS           | Electromagnetic susceptibility testing chamber          | 150               |

| Item | Activity code | Equipment used                             | Fee (\$) per hour |
|------|---------------|--|-------------------|
| 11   | ESD           | Electrostatic discharge test equipment     | 60                |
| 12   | HRS           | Consultations, performance and other tests | 176               |

### [16] Further amendments

| <i>Provision</i>                         | <i>omit each mention of</i> | <i>insert</i>       |
|--|-----------------------------|---------------------|
| paragraph 55 (e)                         | confidence limits           | level of confidence |
| subregulation 57 (1)                     | confidence limits           | level of confidence |
| Schedule 4, columns 2 and 3, headings    | confidence interval         | level of confidence |
| Schedule 5, columns 2, 3 and 4, headings | confidence interval         | level of confidence |
| Schedule 6, columns 2 and 3, headings    | confidence interval         | level of confidence |
| Schedule 7, columns 2 and 4, headings    | confidence interval         | level of confidence |
| Schedule 8, column 2, heading            | confidence interval         | level of confidence |
| Schedule 9, columns 2, 4 and 6, headings | confidence interval         | level of confidence |
| Schedule 10, column 2, heading           | confidence interval         | level of confidence |

### 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.frli.gov.au](http://www.frli.gov.au).