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Statutory Rules 1988 No. 1

258/

National Measurement Regulations² (Amendment)

I, THE GOVERNOR-GENERAL of the Commonwealth of Australia, acting with the advice of the Federal Executive Council, hereby make the following Regulations under the *National Measurement Act 1960*.

Dated 27 October 1988.

N. M. STEPHEN

Governor-General

By His Excellency's Command,

Minister of State for Industry,
Technology and Commerce

Commencement

1. These Regulations commence on 1 November 1988.

Principal Regulations

2. In these Regulations, "Principal Regulations" means the National Measurement Regulations.

Units of measurement of length

3. Regulation 4 of the Principal Regulations is amended by adding at the end the following subregulations:

"(4A) The inch, being a unit of measurement equal to (0.914 4)/36 of a metre, is an additional legal unit of measurement of length for use for the purpose of measurement in relation to:

- (a) equipment, being:
 - (i) automotive tyres or rims;
 - (ii) equipment used, or intended for use, for the manufacture or repair of automotive tyres or rims;
 - (iii) precision pipes, precision tubes, precision fittings or precision screw threads;

- (iv) equipment manufactured for use as spare parts for equipment constructed using measurements other than metric measurements;
- (v) equipment used, or intended for use, in the manufacture of equipment referred to in subparagraph (iii) or (iv);
- (vi) equipment used, or intended for use, by the Department of Defence;
- (vii) equipment used, or intended for use, in aviation;
- (viii) equipment used, or intended for use, in the electronics industry; or
- (ix) equipment used, or intended for use, in the computer industry;
- (b) components of equipment referred to in paragraph (a); or
- (c) contracts, dealings or other transactions in respect of equipment or components of equipment referred to in paragraph (a) or (b).

“(5) The foot, being a unit of measurement equal to $(0.9144)/3$ of a metre, is an additional legal unit of measurement of length for use for the purpose of measurement in relation to:

- (a) altitude in aviation;
- (b) vertical separation in aviation;
- (c) submarine depth; or
- (d) contracts, dealings or other transactions relating to matters referred to in paragraph (a), (b) or (c).”.

Conversion factors

4. Regulation 84 of the Principal Regulations is amended:

- (a) by omitting subregulation (1);
- (b) by omitting from subregulation (2) “(not being an Australian legal unit of measurement)”.

Schedule 1

5. Schedule 1 to the Principal Regulations is amended by omitting items 11 to 16 (inclusive).

Schedule 2

6. Schedule 2 to the Principal Regulations is amended by omitting items 7 to 12 (inclusive).

Schedule 33

7. Schedule 33 to the Principal Regulations is repealed.

Schedule 34

8. Schedule 34 to the Principal Regulations is repealed and the following Schedule substituted:

SCHEDULE 34

Regulation 84

CONVERSION FACTORS

Column 1	Column 2	Column 3	Column 4
Item No.	Unit of measurement	Unit of measurement	Conversion Factor
Length			
1	mile	metre	1 609.344
2	chain	metre	22 (0.914 4)
3	yard	metre	0.914 4
4	link	metre	22 (0.914 4)/100
5	foot	metre	(0.914 4)/3
6	inch	metre	(0.914 4)/36
Area			
7	square yard	square metre	(0.914 4) ²
8	square foot	square metre	(0.914 4) ² /9
9	square inch	square metre	(0.914 4) ² /1 296
10	acre	square metre	4 840 (0.914 4) ²
11	rood	square metre	1 210 (0.914 4) ²
12	perch	square metre	30.25 (0.914 4) ²
Mass			
13	ton	kilogram	2 240 (0.453 592 37)
14	short ton (sh tn)	kilogram	2 000 (0.453 592 37)
15	hundredweight (cwt)	kilogram	112 (0.453 592 37)
16	quarter (qr)	kilogram	28 (0.453 592 37)
17	stone	kilogram	14 (0.453 592 37)
18	pound (lb)	kilogram	0.453 592 37
19	ounce (oz)	kilogram	(0.453 592 37)/16
20	dram (dr)	kilogram	(0.453 592 37)/256
21	grain (gr)	kilogram	(0.453 592 37)/7 000
22	slug	kilogram	32.174 (0.453 592 37)
23	troy ounce (oz tr)	kilogram	480 (0.453 592 37)/7 000
24	pennyweight (dwt)	kilogram	24 (0.453 592 37)/7 000
Volume			
25	cubic yard (cu yd or yd ³)	cubic metre	(0.914 4) ³
26	cubic foot (cu ft or ft ³)	cubic metre	(0.914 4) ³ /27
27	cubic inch (cu in or in ³)	cubic metre	(0.914 4) ³ /466 56
28	gallon (gal)	cubic metre	4.546 09 x 10 ⁻³
29	quart (qt)	cubic metre	(4.546 09 x 10 ⁻³)/4
30	pint (pt)	cubic metre	(4.546 09 x 10 ⁻³)/8
31	gill	cubic metre	(4.546 09 x 10 ⁻³)/32
32	fluid ounce (fl oz)	cubic metre	(4.546 09 x 10 ⁻³)/160
33	fluid drachm (fl dr)	cubic metre	(4.546 09 x 10 ⁻³)/1 280
34	minim (min)	cubic metre	(4.546 09 x 10 ⁻³)/76 800

SCHEDULE 34—continued

Column 1 Item No.	Column 2 Unit of measurement	Column 3 Unit of measurement	Column 4 Conversion Factor
Velocity and Speed			
35	mile per hour (mile/h or mph)	metre per second . . .	1 609.344/3 600
36	mile per hour	kilometre per hour . . .	1.609 344
37	foot per minute (ft/ min)	metre per second . . .	0.304 8/60
Work and Energy			
38	kilocalorie (kcal)	joule	4.186 8 x 10 ³
39	calorie (cal)	joule	4.186 8
40	British thermal unit (Btu)	joule	1 055.056
Power			
41	horsepower (hp)	watt	745.7
Pressure			
42	millimetre of mercury (mm Hg)	pascal	133.322 19
43	millibar (mb or mbar)	pascal	100

NOTES

1. Notified in the *Commonwealth of Australia Gazette* on *h* 1988.
2. Statutory Rules 1961 No. 142 as amended by 1963 No. 126; 1964 No. 146; 1965 No. 13; 1968 No. 150; 1970 No. 40; 1972 Nos. 62, 133 and 160; 1973 Nos. 68 and 253; 1977 No. 150; 1979 No. 65; 1981 No. 195; 1983 No. 64; 1984 Nos. 195 and 231; 1985 No. 315; 1986 Nos. 172 and 399.

31 October/