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Statutory Rules 1983 No. ^h1

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**Weights and Measures (National Standards)
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 *Weights and Measures (National Standards) Act 1960*.

Dated 17 May 1983.

N. M. STEPHEN

Governor-General

By His Excellency's Command,

(Sgd) Barry Jones

Minister of State for Science and Technology

The candela

1. Regulation 56 of the Weights and Measures (National Standards) Regulations is repealed and the following regulation substituted:

"56. The candela is the luminous intensity, in a given direction, of a source that emits monochromatic radiation of the frequency 540×10^{12} hertz and has a radiant intensity in that direction of $\frac{1}{683}$ watt per steradian."

2. After Division 30 of Part II of the Weights and Measures (National Standards) Regulations the following Divisions are inserted:

"Division 31—Magnetic flux

Units of measurement of magnetic flux

"69. (1) The units of measurement of magnetic flux are the units specified in column 2 of Schedule 30A.

"(2) A unit of measurement specified in an item in Schedule 30A is related to the weber as specified in column 3 of that Schedule in that item.

"(3) A unit of measurement specified in an item in Schedule 30A may be referred to by the symbol specified in column 4 of that Schedule in that item.

The weber

“70. The weber is the magnetic flux that, linking a circuit of one turn, produces in that circuit an electromotive force of 1 volt if the magnetic flux is reduced to zero at a uniform rate in 1 second.

“Division 32—Magnetic flux density**Units of measurement of magnetic flux density**

“71. (1) The unit of measurement of magnetic flux density are the units specified in column 2 of Schedule 30B.

“(2) A unit of measurement specified in an item in Schedule 30B is related to the tesla as specified in column 3 of that Schedule in that item.

“(3) A unit of measurement specified in an item in Schedule 30B may be referred to by the symbol specified in column 4 of that Schedule in that item.

The tesla

“72. The tesla is the magnetic flux density that results if a magnetic flux of 1 weber is uniformly distributed over a plane 1 square metre in area, the direction of the magnetic flux density being perpendicular to that plane.”

Prescribed amount for the purposes of sub-section 18A (4) of the Act

3. Regulation 84 of the Weights and Measures (National Standards) Regulations is amended by omitting “\$32,227” and substituting “\$40,499”.

Schedule 2

4. Schedule 2 to the Weights and Measures (National Standards) Regulations is amended by omitting from column 3 in item 1 “10⁸” and substituting “10⁶”.

Schedule 8

5. Schedule 8 to the Weights and Measures (National Standards) Regulations is repealed and the following Schedule substituted:

“SCHEDULE 8

Regulation 22

UNITS OF MEASUREMENT OF FREQUENCY

Column 1 Item	Column 2 Name of unit	Column 3 Frequency in hertz	Column 4 Symbol
1	terahertz	10 ¹²	THz
2	gigahertz	10 ⁹	GHz
3	megahertz	10 ⁶	MHz
4	kilohertz	10 ³	kHz
5	hertz	1	Hz
6	millihertz	10 ⁻³	mHz
7	revolution per minute	1/60	r/min
8	revolution per second	1	r/s”.

Schedule 13

6. Schedule 13 to the Weights and Measures (National Standards) Regulations is amended by omitting item 7 and substituting the following items:

"7	nanowatt	10^{-9}	nW
8	picowatt	10^{-12}	pW
9	horsepower	745.7	hp".

Schedule 14

7. Schedule 14 to the Weights and Measures (National Standards) Regulations is amended by omitting items 5 and 6 and substituting the following items:

"5	millipascal	10^{-3}	mPa
6	micropascal	10^{-6}	μ Pa
7	millibar	100	mb or mbar
8	millimetre of mercury	133.322 19	mmHg".

Insertion of Schedules 30A and 30B

8. After Schedule 30 to the Weights and Measures (National Standards) Regulations the following Schedules are inserted:

"SCHEDULE 30A

Regulation 69

UNITS OF MEASUREMENT OF MAGNETIC FLUX

Column 1	Column 2	Column 3	Column 4
Item	Name of unit	Magnetic flux in webers	Symbol
1	weber	1	Wb
2	milliweber	10^{-3}	mWb
3	microweber	10^{-6}	μ Wb

"SCHEDULE 30B

Regulation 71

UNITS OF MEASUREMENT OF MAGNETIC FLUX DENSITY

Column 1	Column 2	Column 3	Column 4
Item	Name of unit	Magnetic flux density in teslas	Symbol
1	tesla	1	T
2	millitesla	10^{-3}	mT
3	microtesla	10^{-6}	μ T
4	nanotesla	10^{-9}	nT".

NOTES

1. Notified in the *Commonwealth of Australia Gazette* on *L* 1983. *24 May 1*
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.