

THE STATUTES OF THE REPUBLIC OF SINGAPORE

METRICATION ACT
(CHAPTER 181)

Act
52 of 1970

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Metrication Act

ARRANGEMENT OF SECTIONS

Section

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4. Power to adapt, etc.
5. Conversion of imperial standard units to metric system units.
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Schedules.

An Act to introduce the use of the International System of Units in Singapore, to enable necessary modifications of legislation to be effected and for matters connected therewith.

[15th February 1971]

1. This Act may be cited as the Metrication Act. Short title.

2.—(1) In this Act, “International System of Units” means the metric system of units as set out in Schedules A and B and shall include the units set out in Schedule D unless there is something in the subject or context thereof inconsistent with such construction or unless it is therein otherwise expressly provided. Interpre-
tation.

(2) The abbreviation “SI” shall be recognised as a legal reference to the International System of Units.

3.—(1) On and after the commencement of this Act, the use of the system of units known as “the International System of Units” shall have legal force and validity in Singapore. Internation-
al
System
of Units.

- (2) The International System of Units shall consist of —
- (a) the basic units set out in Schedule A;
 - (b) the supplementary and derived units set out in Schedule B; and

- (c) the units which may be used in conjunction with the basic and supplementary and derived units set out in Schedule D.

Power to adapt, etc.

4.—(1) The Minister may by order provide for the adaptation, alteration, conversion or modification of any provisions contained in any written law relating to such departments and subjects as may be appropriate for the purpose of replacing references to units other than metric units contained therein by references to units of the International System of Units which are either equivalent thereto or such approximations thereto as appear to the Minister desirable for the purpose of securing that the enactments as adapted, altered, converted or modified are expressed in convenient terms.

(2) Any order made under subsection (1) shall be published in the *Gazette*.

Conversion of imperial standard units to metric system units.

5. The values expressed in terms of —

- (a) any imperial standard relating to measures of extension whether lineal, superficial or solid, or weight or capacity; or
- (b) the local customary system of weights and measures,

may be converted into the values expressed in terms of the International System of Units in accordance with Schedule C.

Power to vary Schedules.

6. The Minister may, from time to time by notification in the *Gazette*, add to, vary or amend the Schedules as he may think fit.

Saving.

7.—(1) No act or thing done prior to the making of any order pursuant to section 4 shall be challenged only on the ground that the act or thing done was done in a unit other than a unit of the International System of Units.

(2) Nothing in this Act shall affect the legal force and validity of any other system of units lawfully used in Singapore.

SCHEDULE A

The International System of Units is based on the following 6 basic units:

<i>Unit</i>	<i>Symbol</i>	<i>Quantity</i>
metre	m	length
kilogramme	kg	mass
second	s	time
ampere	A	electric current
kelvin	K	thermodynamic temperature
candela	cd	luminous intensity.

SCHEDULE B

The following are the supplementary and derived units of the International System of Units:

<i>Unit</i>	<i>Symbol</i>	<i>Quantity</i>
hertz	Hz	frequency
newton	N	force
joule	J	work, energy, quantity of heat
watt	W	power
coulomb	C	quantity of electricity, electric charge
volt	V	electric tension, potential difference, electromotive force
farad	F	electric capacitance
ohm	Ω	electric resistance
weber	Wb	flux of magnetic induction, magnetic flux
tesla	T	magnetic flux density, magnetic induction
henry	H	inductance
lumen	lm	luminous flux
lux	lx	illumination
radian	rad	plane angle
steradian	sr	solid angle.

SCHEDULE C

Conversion of Imperial Standard Units to Equivalent SI Units:

<i>Imperial Standard Unit</i>	<i>SI Unit</i>
1 yard	= 0.9144 metre exactly
1 pound	= 0.453 592 37 kilogramme exactly
1 gallon	= 4.54609 litres approximately
	= 4.54609 cubic decimetres approximately.

Conversion of Local Customary Units to Equivalent SI Units:

<i>Local Customary Unit</i>	<i>SI Unit</i>
1 tahl	= 37.799364 grammes approximately
1 kati	= 0.604790 kilogramme approximately
1 chhun	= 37.465 millimetres exactly
1 chhek	= 0.37465 metre exactly.

SCHEDULE D

<i>Unit</i>	<i>Symbol</i>	<i>Quantity</i>
hectare	ha	area
metric ton	t	mass
litre	L	volume
centigrade or Celsius	°C	temperature, temperature interval.