1972/186



# THE WEIGHTS AND MEASURES METRIC EQUIVALENTS ORDER 1972

# ARTHUR PORRITT, Governor-General

ORDER IN COUNCIL

At the Government House at Wellington this 21st day of August 1972

#### Present:

HIS EXCELLENCY THE GOVERNOR-GENERAL IN COUNCIL

Pursuant to subsection (3) of section 6 of the Weights and Measures Amendment Act 1933, His Excellency the Governor-General, acting by and with the advice and consent of the Executive Council, hereby makes the following order.

#### ORDER

- 1. Title—This order may be cited as the Weights and Measures Metric Equivalents Order 1972.
- 2. Table of metric equivalents—The table of metric equivalents set out in the Schedule hereto shall be in substitution for the whole of the table set out in the Third Schedule to the Weights and Measures Act 1925, and in terms of subsection (3) of section 6 of the Weights and Measures Amendment Act 1933 the said Third Schedule is deemed to be repealed.

### **SCHEDULE**

#### TABLE OF METRIC EQUIVALENTS

1. Equivalents for the purpose of the Weights and Measures Act 1925 shall be:

Length—yard = 0.9144 metre exactly:

Mass—pound = 0.453 592 37 kilogram exactly:

Volume (capacity)—gallon = 4.546 09 litres.

2. Selected metric units derived from the metre and the kilogram are:

Measures of L	ength
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Unit		Equivalent
Kilometre	$\mathbf{km}$	1000 metres.
Metre	m	The metre is the length equal to 1 650 763.73 wavelengths in vacuum of the radiation corresponding to the transition between the levels 2p <sub>10</sub> and 5d <sub>5</sub> of the krypton—86 atom.
Decimetre	$d\mathbf{m}$	$\frac{1}{10}$ metre.
Centimetre	cm	$\frac{1}{100}$ metre.
Millimetre	mm	$\frac{1}{1000}$ metre.
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### Measures of Area

Unit		Equivalent
Hectare	ha	10 000 square metres.
Are	a	100 square metres.
Square metre	m²	An area equal to that of a square each side of which measures a metre.
Square centimetre	cm 2	$\frac{10^{1}000}{100}$ square metre.
Square millimetre mm <sup>2</sup>		$\frac{1}{100000}$ square metre.

# Measure of Volume (Cubic Content)

Unit		Equivalent
Cubic metre	m 3	A volume equal to that of a cube each edge of which measures one metre.
Cubic decimetre Cubic centimetre Cubic millimetre	cm <sup>3</sup>	$\frac{1}{1000}$ cubic metre. $\frac{1}{1000}$ cubic decimetre. $\frac{1}{1000}$ cubic centimetre.

# Measure of Capacity

Unit		Equivalent
Hectolitre	hl	100 litres.
Litre	1	$\frac{1}{1000}$ cubic metre.
Millilitre	ml	<del>1000</del> litre.

Carat (metric)

# Measure of Mass or Weight

Unit		Equivalent
Tonne	t	1000 kilograms.
Kilogram	kg	The kilogram is the unit of mass represented by the mass of the international prototype kilogram.
Gram Milligram	g	1000 kilogram.

⅓ gram.

The units of measurement of weight—

- (a) Have the same names, and may be referred to by the same abbreviations or symbols, as units of measurement of mass; and
- (b) Are such that the weight of an object expressed in terms of any one of them is numerically the same as the mass of the object expressed in terms of the unit of measurement of mass having the same name.

P. J. BROOKS, Clerk of the Executive Council.

#### EXPLANATORY NOTE

This note is not part of the order, but is intended to indicate its general effect.

This order is made under section 6 (3) of the Weights and Measures Amendment Act 1933, and prescribes a table of metric equivalents in substitution in whole for the table in the Third Schedule to the Weights and Measures Act 1925. In the case of the gallon and the litre, the equivalent is based on the International System of Units (SI) definition 1 litre = 1 cubic decimetre (1000 m s). Metric conversions are facilitated by use of N.Z.S. 6502: 1972 "Metrication; Factors and Tables for Conversion to SI Units".

Issued under the authority of the Regulations Act 1936. Date of notification in *Gazette*: 24 August 1972. This order is administered in the Department of Labour.