

*Changes to legislation:* There are currently no known outstanding effects for the Weights and Measures Act 1985, SCHEDULE 1. (See end of Document for details)

## SCHEDULES

### SCHEDULE 1

Sections 1(2), 8(1).

#### DEFINITIONS OF UNITS OF MEASUREMENT

#### PART I

#### MEASUREMENT OF LENGTH

##### *Imperial units*

F1	F1
...	...
F1	F1
...	...
F1	F1
...	...
F1	F1
...	...

##### **Textual Amendments**

**F1** Sch. 1 Pts. I, II: entries omitted (1.10.1995) by virtue of [S.I. 1994/2867, reg. 6\(5\)\(a\)](#)

##### *Metric units*

Kilometre =	1000 metres.
METRE	[ <sup>F2</sup> for which the symbol “m” is used, is the SI unit of length, defined by taking the fixed numerical value of the speed of light in vacuum $c$ to be 299 792 458 when expressed in the unit m/s, where the second is defined by taking the fixed numerical value of the caesium frequency $\Delta\nu_{\text{Cs}}$ , the unperturbed ground-state hyperfine transition frequency of the caesium 133 atom, to be 9 192 631 770 when expressed in the unit Hz, which is equal to $\text{s}^{-1}$ .]
Decimetre =	1/10 metre.

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Centimetre =	1/100 metre.
Millimetre =	1/1000 metre.

**Textual Amendments**

**F2** Words in Sch. 1 Pt. 1 substituted (13.6.2020) by [The Weights and Measures Act 1985 \(Definitions of Metre and Kilogram\) \(Amendment\) Order 2020 \(S.I. 2020/586\)](#), arts. 1(b), **2(2)**

**PART II**

MEASUREMENT OF AREA

*Imperial units*

F3	F3
...	...
F3	F3
...	...
F3	F3
...	...

**Textual Amendments**

**F3** Sch. 1 Pts. I, II: entries omitted (1.10.1995) by virtue of [S.I. 1994/2867, reg. 6\(5\)\(a\)](#)

*Metric units*

Hectare =	100 ares.
Decare =	10 ares.
Are =	100 square metres.
SQUARE METRE=	a superficial area equal to that of a square each side of which measures one metre.
Square decimetre =	1/100 square metre.
Square centimetre =	1/100 square decimetre.
Square millimetre =	1/100 square centimetre.

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### PART III

#### MEASUREMENT OF VOLUME

##### *Metric units*

CUBIC METRE =	a volume equal to that of a cube each edge of which measures one metre.
Cubic decimetre =	1/1000 cubic metre.
Cubic centimetre =	1/1000 cubic decimetre.
Hectolitre =	100 litres.
LITRE =	a cubic decimetre.
Decilitre =	1/10 litre.
Centilitre =	1/100 litre.
Millilitre =	1/1000 litre.

### PART IV

#### MEASUREMENT OF CAPACITY

##### *[<sup>F4</sup>Imperial unit]*

##### Textual Amendments

**F4** Heading in Sch. 1 Pt. IV substituted (1.1.2000) by S.I. 1994/2867, reg. 7(3)(a)(i)

<b>F5</b>	<b>F5</b>
...	...
<b>F5</b>	<b>F5</b>
...	...
Pint =	[ <sup>F6</sup> 0.568 261 25 cubic decimetre.]
<b>F5</b>	<b>F5</b>
...	...
<b>F7</b>	<b>F7</b>
...	...

##### Textual Amendments

**F5** Sch. 1 Pt. IV: definitions of “gallon”, “quart” and “gill” omitted (1.10.1995) by virtue of S.I. 1994/2867, reg. 6(5)(b)(i)

**F6** Sch. 1 Pt. IV: definition substituted (1.10.1995) by S.I. 1994/2867, reg. 6(5)(b)(ii)

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**F7** Sch. 1 Pt. IV: definition of “fluid ounce” omitted (1.1.2000) by virtue of [S.I. 1994/2867, reg. 7\(3\)\(a\)\(ii\)](#)

*Metric units*

Hectolitre =	100 litres.
LITRE =	a cubic decimetre.
Decilitre =	1/10 litre.
Centilitre =	1/100 litre.
Millilitre =	1/1000 litre.

**PART V**

MEASUREMENT OF MASS OR WEIGHT

*[<sup>F8</sup>Imperial unit]*

**Textual Amendments**

**F8** Heading in Sch. 1 Pt. V substituted (1.1.2000) by [S.I. 1994/2867, reg. 7\(3\)\(b\)\(i\)](#)

<b>F9</b>	<b>F9</b>
...	...
<b>F9</b>	<b>F9</b>
...	...
<b>[<sup>F10</sup>OUNCE TROY=]</b>	<b>[<sup>F10</sup>0.031 103 476 8 kilogram.]</b>

**Textual Amendments**

**F9** Sch. 1 Pt. V: definitions of “pound” and “ounce” omitted (1.1.2000) by virtue of [S.I. 1994/2867, reg. 7\(3\)\(b\)\(ii\)](#)

**F10** Sch. 1 Pt. V: definition of “ounce troy” substituted (1.1.2000) by [S.I. 1994/2867, reg. 7\(3\)\(b\)\(iii\)](#)

*Metric units*

Tonne, metric tonne =	1000 kilograms.
KILOGRAM	<sup>F11</sup> for which the symbol “kg” is used, is the SI unit of mass, defined by taking the fixed numerical value of the Planck constant $h$ to be $6.626\ 070\ 15 \times 10^{-34}$ when expressed in the unit J s, which is equal to $\text{kg m}^2$

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	$s^{-1}$ , where the second is defined by taking the fixed numerical value of the caesium frequency $\Delta\nu_{Cs}$ , the unperturbed ground-state hyperfine transition frequency of the caesium 133 atom, to be 9 192 631 770 when expressed in the unit Hz, which is equal to $s^{-1}$ .]
Hectogram =	1/10 kilogram.
Gram =	1/1000 kilogram.
Carat (metric) =	1/5 gram.
Milligram =	1/1000 gram.

#### Textual Amendments

**F11** Words in Sch. 1 Pt. 5 substituted (13.6.2020) by [The Weights and Measures Act 1985 \(Definitions of Metre and Kilogram\) \(Amendment\) Order 2020 \(S.I. 2020/586\)](#), arts. 1(b), **2(3)**

## [<sup>F12</sup>PART VI

### DEFINITIONS OF CERTAIN UNITS WHICH MAY NOT BE USED FOR TRADE EXCEPT AS SUPPLEMENTARY INDICATIONS

#### Textual Amendments

**F12** Sch. 1 Pt. VI substituted (1.10.1995) by [S.I. 1994/2867](#), reg. **6(5)(c)**

			Measurement of length
Mile	=	1760 yards.	
Furlong	=	220 yards.	
Chain	=	22 yards.	
YARD	=	0.9144 metre.	
Foot	=	1/3 yard.	
Inch	=	1/36 yard.	
			Measurement of area
Square mile	=	640 acres.	
Acre	=	4840 square yards.	
Rood	=	1210 square yards.	
Square yard	=	a superficial area equal to that of a square each side of which measures one yard.	

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Square foot	=	1/9 square yard.
Square inch	=	1/144 square foot.

**Measurement of  
volume**

Cubic yard	=	a volume equal to that of a cube each edge of which measures one yard.
Cubic foot	=	1/27 cubic yard.
Cubic inch	=	1/1728 cubic foot.

**Measurement of  
capacity**

Bushel	=	8 gallons.
Peck	=	2 gallons
GALLON	=	4.54609 cubic decimetres.
Quart	=	¼ gallon.
Gill	=	¼ pint.
[ <sup>F13</sup> Fluid ounce]	[ <sup>F13</sup> =]	[ <sup>F13</sup> 1/20 pint.]
Fluid drachm	=	1/8 fluid ounce.
Minim	=	1/60 fluid drachm.

**Measurement of  
mass or weight**

Ton	=	2240 pounds.
Hundredweight	=	112 pounds.
Cental	=	100 pounds.
Quarter	=	28 pounds.
Stone	=	14 pounds.
[ <sup>F14</sup> POUND]	[ <sup>F14</sup> =]	[ <sup>F14</sup> 0.453 592 37 kilogram.]
[ <sup>F15</sup> Ounce]	[ <sup>F15</sup> =]	[ <sup>F15</sup> 1/16 pound]
Dram	=	1/16 ounce.
Grain	=	1/7000 pound.
Pennyweight	=	24 grains.
Ounce apothecaries	=	480 grains.
Drachm	=	1/8 ounce apothecaries.
Scruple	=	1/3 drachm.
Metric ton	=	1000 kilograms.
Quintal	=	100 kilograms.]

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#### Textual Amendments

**F13** Sch. 1 Pt. VI: definition of “fluid ounce” inserted (1.1.2000) by S.I. 1994/2867, reg. 7(3)(c)(i)

**F14** Sch. 1 Pt. VI: definition of “pound” inserted (1.1.2000) by S.I. 1994/2867, reg. 7(3)(c)(ii)

**F15** Sch. 1 Pt. VI: definition of “ounce” inserted (1.1.2000) by S.I. 1994/2867, reg. 7(3)(c)(ii)

#### Textual Amendments

**F13** Sch. 1 Pt. VI: definition of “fluid ounce” inserted (1.1.2000) by S.I. 1994/2867, reg. 7(3)(c)(i)

**F14** Sch. 1 Pt. VI: definition of “pound” inserted (1.1.2000) by S.I. 1994/2867, reg. 7(3)(c)(ii)

**F15** Sch. 1 Pt. VI: definition of “ounce” inserted (1.1.2000) by S.I. 1994/2867, reg. 7(3)(c)(ii)

## PART VII

### MEASUREMENT OF ELECTRICITY

1. (a) AMPERE [F16 for which the symbol “A” is used, is the SI unit of electric current, defined by taking the fixed numerical value of the elementary charge  $e$  to be 1.602 176 634  $\times 10^{-19}$  when expressed in the unit C, which is equal to A s, where the second is defined by taking the fixed numerical value of the caesium frequency  $\Delta\nu_{\text{Cs}}$ , the unperturbed ground-state hyperfine transition frequency of the caesium 133 atom, to be 9 192 631 770 when expressed in the unit Hz, which is equal to  $\text{s}^{-1}$ .]
- (b) OHM is the electric resistance between two points of a conductor when a constant potential difference of 1 volt, applied between the two points, produces in the conductor a current of 1 ampere, the conductor not being the seat of any electromotive force.
- (c) VOLT is the difference of electric potential between two

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		<p>points of a conducting wire carrying a constant current of 1 ampere when the power dissipated between these points is equal to 1 watt.</p>
	(d) WATT	<p>is the power which in one second gives rise to energy of 1 joule [<sup>F17</sup>, where the second has the meaning given in the definition of “AMPERE”].</p>
2.	Kilowatt	= 1000 watts.
	Megawatt	= one million watts.

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**Textual Amendments**

- F16** Words in Sch. 1 Pt. 7 substituted (13.6.2020) by [The Weights and Measures Act 1985 \(Amendment\) and Units of Measurement Regulations 1986 \(Amendment\) Regulations 2019 \(S.I. 2019/1211\)](#), regs. 1(b), 2(a)
- F17** Words in Sch. 1 Pt. 7 inserted (13.6.2020) by [The Weights and Measures Act 1985 \(Amendment\) and Units of Measurement Regulations 1986 \(Amendment\) Regulations 2019 \(S.I. 2019/1211\)](#), regs. 1(b), 2(b)



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