STATUTORY INSTRUMENTS

1983 No. 1654

WEIGHTS AND MEASURES

The Weights and Measures (Local and Working Standard Capacity Measures) Regulations 1983

Made - - - -	*8th November* 1983
Laid before Parliament	*10th November* 1983
Coming into Operation	*1st December* 1983

The Secretary of State, in exercise of the powers conferred by sections 4(4), 5(4) and 58(1) of the Weights and Measures Act 1963(**a**) (hereinafter referred to as "the Act") and now vested in him (**b**) and of all other powers enabling him in that behalf, hereby makes the following Regulations:—

1. These Regulations may be cited as the Weights and Measures (Local and Working Standard Capacity Measures) Regulations 1983 and shall come into operation on 1st December 1983.

2. The Weights and Measures (Local Standards: Limits of Error) Regulations 1970(**c**) are hereby amended in the Schedule by the substitution for the tables headed "CAPACITY MEASURES" of the tables headed "LOCAL STANDARD CAPACITY MEASURES" in Schedule 1 to these Regulations.

3. The Working Standards and Testing Equipment (Testing and Adjustment) Regulations 1970(**d**) are hereby amended as follows:—

(a) for paragraphs (1) to (6) of Regulation 7 there shall be substituted the following paragraphs:—

"(1) In this Regulation—

(a) "analogue" means capable of assigning any value or position within a continuous range;

(b) "digital" means capable of assigning only certain discrete values or positions within a continuous range by a series of discontinuous steps;

(c) "scale interval" means the value expressed in units of measurement of mass equal to, in the case of a machine with an

(**a**) 1963 c.31; Schedule 3 was amended by S.I. 1983/1077.
(**b**) S.I. 1970/1537.
(**c**) S.I. 1970/1710; relevant amending instrument is S.I. 1976/2168.
(**d**) S.I. 1970/1714, to which there are amendments not relevant to these Regulations.

analogue indicator, the smallest sub-division of the scale, or, in the case of a machine with a digital indicator, the difference between two consecutive values indicated by the machine;

(d) "value of verification scale division (e)" has the same meaning as it has in 2.3.2.3 of the Annex to Council Directive No. 73/360/EEC(**a**) as amended by Council Directive No. 82/622/EEC(**b**); and

(e) "working standard capacity measure" includes in the case of any multifiller measuring equipment every measure incorporated in that equipment.

(2) A working standard capacity measure shall be tested as a measure of any amount in Schedule 3 to the Act which it is designed to measure and the accuracy of any tolerance marks adjacent to any graduation tested shall also be tested.

(3) Testing shall be carried out by one of the following methods:—

Method 1

(a) where the test relates to an indicated imperial measurement not exceeding 1 gal or an indicated metric measurement not exceeding 5 l, by transfer of water from an equivalent local standard capacity measure;

(b) in any other case by transfer of water from not more than two local standard capacity measures of an equivalent total capacity or with a local standard capacity measure of 1 gal or 5 l (used the requisite number of times);

Method 2

by pouring water of a known temperature into the measure under test, when the measure is resting on a horizontal surface, until the bottom of the meniscus coincides with the top of any line defining the nominal capacity of the measure or with the top of any graduation line or tolerance mark being tested and determining the weight of the water on a suitable weighing machine, provided that—

(i) any value of verification scale division (e) marked on the machine does not exceed the amount specified in paragraph (4) below;

(ii) if there is no such marking and the machine is a balance or beamscale, the amount of the weight required to produce a displacement of one division of restpoint does not exceed the amount specified in paragraph (4) below; or

(iii) if there is no such marking and the machine is not a balance or beamscale, the maximum scale interval does not exceed the amount specified in paragraph (4) below.

(4) The amount referred to in paragraph (3) above shall be the amount in grammes which is equivalent to one-fifth of the amount in millilitres of the limit of error set out in Table 3 in the Schedule to these Regulations.

(**a**) OJ No. L335, 5.12.1973, p.1.
(**b**) OJ No. L252, 27.8.1982, p.2.

(5) Only local standards or working standards or articles of testing equipment tested in accordance with these Regulations or with the Weights and Measures (Local and Working Standard Weights and Testing Equipment) Regulations 1983(a) shall be used for testing."

(b) for Table 3 headed "CAPACITY MEASURES" there shall be substituted the table headed "WORKING STANDARD CAPACITY MEASURES" in Schedule 2 to these Regulations.

Alexander Fletcher,
Parliamentary Under Secretary of State,
Department of Trade and Industry.

8th November 1983.

(a) S.I. 1983/1653.

Regulation 2 SCHEDULE 1

LOCAL STANDARD CAPACITY MEASURES

(a) Imperial		*(b) Metric*	
Local Standard of—	Limit of Error	Local Standard of—	Limit of Error
more than 1 gal	0.02 per cent. of the nominal capacity	more than 10 l	0.02 per cent. of the nominal capacity
1 gal	2.5 ml	10 l	5 ml
1/2 gal or 1 quart	1.0 ml	5 l	2.5 ml
1 pt	0.5 ml	2.5 l	1.2 ml
1/2 pt, 8 fl.oz or 1/3 pt	0.4 ml	2 or 1 l	1.0 ml
		500 ml	0.5 ml
6 fl.oz	0.35 ml	250 or 200 ml	0.4 ml
1 gill	0.30 ml	175 ml	0.35 ml
4 fl.oz	0.25 ml	150 ml	0.30 ml
1/2 or 2/5 gill	0.20 ml	125 ml	0.25 ml
1/3 gill	0.15 ml	100 ml	0.20 ml
1/4, 1/5 or 1/6 gill	0.12 ml	50 ml	0.15 ml
		25 or 20 ml	0.12 ml
		10 ml	0.08 ml
		5 ml	0.06 ml
		2 or 1 ml	0.04 ml

Regulation 3(*b*) SCHEDULE 2

WORKING STANDARD CAPACITY MEASURES

(a) Imperial		*(b) Metric*	
Indicated capacity of, or tolerance mark relating to—	Limit of error, in millilitres	Indicated capacity of, or tolerance mark relating to—	Limit of error, in millilitres
5 gal or 4 gal	20.0	20 l	20.0
3 gal	15.0	10 l	10.0
2 gal	10.0	5 l	5.0
1 gal	5.0	2.5 l	2.5
1/2 gal or 1 quart	2.0	2 l or 1 l	2.0
1 pt	1.0	500 ml	1.0
1/2 pt, 8 fl. oz	0.8	250 ml or 200 ml	0.8
or 1/3 pt		175 ml	0.7
6 fl. oz	0.7	150 ml	0.6
1 gill (5 fl. oz)	0.6	125 ml	0.5
4 fl. oz	0.5	100 ml	0.4
1/2 gill or 2/5 gill	0.4	50 ml	0.3
1/3 gill	0.3	25 ml, 20 ml,	0.2
1/4 gill or less	0.2	10 ml or 5 ml	
		2 ml or 1 ml	0.1

EXPLANATORY NOTE

(*This Note is not part of the Regulations.*)

These Regulations amend the Weights and Measures (Local Standards: Limits of Error) Regulations 1970 and the Working Standards and Testing Equipment (Testing and Adjustment) Regulations 1970.

They prescribe permissible limits of error for the local standard capacity measures which local weights and measures authorities maintain to take account of the metric capacity measures lawful for use for trade added to paragraph 2 of Part IV of Schedule 3 to the Weights and Measures Act 1963 by the Weights and Measures Act 1963 (Amendment of Schedule 3) Order 1983 (S.I. 1983/1077). The existing permissible limits of error for local standard capacity measures are also amended.

The Regulations also amend the method of testing working standard capacity measures used by inspectors of weights and measures and prescribe corresponding limits of error for them.

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