

No. R. 1230

24 December 2010

TRADE METROLOGY ACT, 1973 (ACT NO. 77 OF 1973)**NOTICE OF INTENTION TO AMEND THE REGULATIONS OF THE TRADE
METROLOGY ACT NO 77 OF 1973 PUBLISHED BY GOVERNMENT NOTICE NO.
R 2362 OF 18 NOVEMBER 1977, AS AMENDED**

By virtue of the powers vested in me in terms of section 42 of the Trade Metrology Act, 1973, and after consultation with the Board established in terms of section 6 of the National Regulator for Compulsory Specifications Act 2008 (Act 5 of 2008), I, Dr Rob Davies, Minister of Trade and Industry hereby give notice of my intention to amend Part II of the Trade Metrology Regulations published by Government Notice No. R 2362 of 8 November 1977, as amended, to include requirements for the measurement of cryogenic liquids as set out in the schedule hereto.

Interested persons are invited to make written comments regarding these amendments within two (2) months from date of publication of this notice to the Chief Executive Officer, National Regulator for Compulsory Specifications:

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For Attention: Mr M Moeletsi



DR ROB DAVIES, (MP)
MINISTER OF TRADE AND INDUSTRY

SCHEDULE

AMENDMENT OF PART II OF THE TRADE METROLOGY REGULATIONS

1. Regulation 68 and its heading is deleted in its entirety and is replaced by the following new regulation:

Measuring devices and systems for the measurement of cryogenic liquids and specified liquefied gases

Definitions

68 (1) For the purposes of this regulation the definitions in clause 3 of SANS 319, clause 3 of SANS 344 and the following definitions apply:

- (a) **"SANS 319"** means the South African National Standard entitled "Measuring systems - Cryogenic liquids and other selected liquid gases in vertical tanks - Pressure differential method", as amended from time to time.
- (b) **"SANS 344"** means the South African National Standard entitled "Dynamic measuring devices and systems for cryogenic liquids", as amended from time to time.

Applicable requirements for static measurements

- (2) (a) All measuring systems for measuring the mass of the liquefied gases specified in clause 1.4 of SANS 319 when contained in vertical tanks of known dimensions and using the pressure differential method for level determination must comply with the requirements of SANS 319.
- (b) From the date of publication of this regulation no measuring system for liquefied gases using the pressure differential method may be fitted to a new installation incorporating a horizontal tank for use for a prescribed purpose.
- (c) A horizontal tank fitted with a measuring system for liquefied gases using the pressure differential method and used for a prescribed purpose prior to the date of publication of this regulation, is exempted from compliance with requirements for tanks provided that the measuring system is verified according to the requirements of annex AA of SANS 319.
- (d) Measuring systems for static measurement of the mass or volume of liquefied gases in tanks using methods other than a pressure differential method, such as weighing, must comply with any applicable provisions of the regulations to this Part consistent with the design and method of measurement.

Applicable requirements for dynamic measurements

- (3) (a) All measuring devices and systems, excluding mass flow meters, for the dynamic measurement of cryogenic liquids, must comply with the requirements of SANS 344.

- (b) Mass flow meters must comply with the provisions of the regulations to this Part pertaining to liquid measuring systems other than water.
- (c) Meters and systems for dynamic measurement of liquefied carbon dioxide, or nitrous oxide must comply with the provisions of the regulations to this Part pertaining to liquid measuring systems other than water.

Verification

- (4) (a) Unless exempted in terms of annex BB of SANS 319, measuring systems to which the requirements of subregulation 2 (a) apply must be verified in accordance with the requirements of annex AA of SANS 319.
- (b) Measuring devices and systems to which the requirements of subregulation 3 (a) apply must be verified in accordance with the requirements of annex AA of SANS 344.

Responsibilities of users of instruments

- (5) In addition to any requirement of the Act or any other applicable regulation in terms of the Act and unless the user is exempted by any provision in the Act or any other applicable regulation in terms of the Act, the requirements of annex BB of SANS 319 and annex BB of SANS 344, as applicable, shall be complied with by persons using, for a prescribed purpose, the instruments to which subregulation 2 (a) and subregulation 3 (a) apply.

2. Regulation 71 is amended by:

- a) deleting the opening paragraph of subregulation (1) and replacing it with the following new opening paragraph:

“New measures of volume, volume measuring instruments and measuring instruments or devices for measuring the mass of liquids by volumetric or flow measurement principles of the following classes or kinds require to be of models approved in terms of section 18 (2) of the Act, or any regulation, unless exempted in terms of section 23 (2) of the Act from certification”;
- b) in subregulation (1) (a) deleting the words “66 to 70” and replacing them with “66,67,69 and 70”;
- c) in subregulation (1) (d) adding the following new subregulation:

“(v) any cryogenic liquid meter system”; and
- d) adding the following new subregulation (1) (j):

“(j) any device for determining the mass of cryogenic or other liquids by means of volume and the respective density.”