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/ISO 11222:2002

DRAFT TANZANIA STANDARD

Air Quality- Determination of the uncertainty of the time average of air quality measurements.

FOR STAKEHOLDER COMMENTS

DRAFT TANZANIA STANDARD

0. National foreword

The Tanzania Bureau of Standards is the statutory national standards body for Tanzania, established under the Act.No.3 of 1975, amended by Act.No.2 of 2009.

This finalized Tanzania standard is being prepared by Air Quality Technical Committee, under the supervision of the Environmental Management Divisional Standards Committee (EMDC)

This Tanzania Standard is identical to ISO 11222:2002 - Air Quality- Determination of the uncertainty of the time average of air quality measurements, published by the International Organization for Standardization (ISO).

Terminology and conventions

The text of the International Standard is hereby being recommended for approval without deviation for publication as draft Tanzania standard. Some terminology and certain conversion are not identical with those used in Tanzania Standards; attention is drawn to the following:

The comma (,) has been used as decimal marker for metric dimensions. In Tanzania, it is current practice to use a full point (.) on the baseline as a decimal marker.

Wherever the words “International Standard” appear, referring to this draft standard, they should read as “Tanzania Standard”.

1. SCOPE

This International Standard provides a method for the quantification of the uncertainty of a time average of a set of air quality data obtained at a specified location over a defined averaging time period. The method is applicable to air quality data obtained by continuous or intermittent monitoring by means of a specified measuring system. The uncertainty of the time average depends on both the uncertainty of the measurement results and the uncertainty due to incomplete time coverage of the data set. This International Standard is only applicable if:

- a) the set of air quality data used to calculate the time average is representative of the temporal structure of the measured over the defined time period,
- b) appropriate information on the uncertainty of the measurement results is available, and
- c) the measurement results have all been obtained at the same location.

This International Standard implements recommendations of the Guide to the expression of uncertainty in measurement (GUM).