



EMDC 5 (5544) P3
ISO 5349-1

DRAFT TANZANIA STANDARD

**Mechanical vibration - Measurement
and Evaluation of human exposure to
hand-transmitted vibration – General
requirements**

FOR STAKEHOLDERS' COMMENTS ONLY

National foreword

This Tanzania Standard is identical to ISO 5349-1 (E), *Mechanical vibration- Measurement and Evaluation of human exposure to hand-transmitted vibration – Part 1: General requirements* published by the International Organization for Standardization (ISO).

This standard specifies general requirements for measuring and reporting hand-transmitted vibration exposure in three orthogonal axes. It defines a frequency weighting and band-limiting filters to allow uniform comparison of measurements. The values obtained can be used to predict adverse effects of hand-transmitted vibration over the frequency range covered by the octave bands from 8 Hz to 1 000 Hz. It is applicable to periodic and to random or non-periodic vibration. Provisionally, this part of ISO 5349 is also applicable to repeated shock type excitation (impact).

The standard provide guidance for the evaluation of hand-transmitted vibration exposure, specified in terms of a frequency-weighted vibration acceleration and daily exposure time. It does not define limits of safe vibration exposure.

Terminology and conventions

Some terminology and certain conventions in the ISO standards are not identical with those used in Tanzania Standards and attention is drawn to the following:

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

wherever the words “International Standard” appear in this Tanzania Standard, they should be interpreted as “Tanzania Standard”.