



EDC 2 (2312) DTZS

IEC 61000-3-3:2021

## **DRAFT TANZANIA STANDARD**

**(Draft for comments only)**

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**Electromagnetic compatibility (EMC) - Part 3-3: Limits -  
Limitation of voltage changes, voltage fluctuations and flicker  
in public low-voltage supply systems, for equipment with rated  
current  $\leq 16$  A per phase and not subject to conditional  
connection**

**TANZANIA BUREAU OF STANDARDS**

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## **1 National Foreword**

This draft Tanzania Standard is being prepared by the ELV and Energy Storage Systems Technical Committee, under the supervision of the Electrotechnical Divisional Standards Committee (EDC)

This draft Tanzania Standard (TZS 1375-3-3) is an adoption of the International Standard IEC 61000-3-3:2021, *Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current  $\leq 16$  A per phase and not subject to conditional connection*, which has been prepared by the International Electrotechnical Commission (IEC).

## **2 Terminology and conventions**

Some terminologies and certain conventions are not identical with those used in Tanzania Standards; Attention is drawn especially to the following:

- 1) The comma has been used as a decimal marker for metric dimensions. In Tanzania Standards, it is current practice to use “full point” on the baseline as the decimal marker; and
- 2) Where the words “International Standard(s)” appear, referring to this standard they should read “Tanzania Standard(s)”.

### **3 Scope**

This Tanzania standard is concerned with the limitation of voltage fluctuations and flicker impressed on the public low-voltage system. It specifies limits of voltage changes which may be produced by an equipment tested under specified conditions and gives guidance on methods of assessment. It is applicable to electrical and electronic equipment having an input current equal to or less than 16 A per phase, intended to be connected to public low-voltage distribution systems of between 220 V and 250 V line to neutral at 50 Hz, and not subject to conditional connection.

Draft for Stakeholders comments only