



**DRAFT TANZANIA STANDARD**

---

**Bases for design of structures - Accidental actions**

DRAFT STANDARD

**TANZANIA BUREAU OF STANDARDS**

---

This Finalized Tanzania Standard was published under the authority of the Board of Directors of Tanzania Bureau of Standards on yyy-mm-dd. Tanzania Bureau of Standards (TBS) is the statutory national standards body for Tanzania established under the Standards Act No. 3 of 1975, repealed and replaced by the Standards Act No. 2 of 2009. The Building and Construction Divisional Standards Committee (BCDC), under whose supervision this Tanzania Standard was prepared, consists of representatives from the following organizations:

\*College of Engineering and Technology, University of Dar es Salaam  
Tanzania Commission for Science and Technology (COSTECH)  
Ministry of Works and Transportation (MoWT)  
National Housing Corporation (NHC)  
Contractors Registration Board (CRB)  
Ardhi University (ARU)  
Jeshi la Kujenga Taifa (JKT)  
\*National Estates and Designing Consultancy Company Ltd (NEDCO)  
Architects and Quantity Surveyors Registration Board (AQRB)  
Institution of Engineers Tanzania (IET)  
\*National Construction Council (NCC)  
Engineers Registration Board (ERB)  
Tanzania Building Agency (TBA)

The organizations marked with an asterisk (\*) in the above list, together with the following were directly represented on the Technical Committee entrusted with the preparation of this draft Tanzania Standard:

Dar es salaam Institute of Technology (DIT)  
Tanzania National Roads Agency (TANROADS)  
Small Industries Development Organization (SIDO)

Tanzania Bureau of Standards  
P O Box 9524  
Dar es Salaam  
Tel: +255 (22) 2450206/2450949/2450298  
Fax: +255 22 2450298  
E-mail: info@tbs.go.tz  
Website: www.tbs.go.tz

## 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 the Masonry Technical Committee, under the supervision of the Building and Construction Divisional Standards Committee (BCDC)

This finalized Tanzania Standard is identical adoption of **ISO 10252:2020 Bases for design of structures - Accidental actions**, published by the International Organization for Standardization (ISO).

## Terminologies and conventions

The text of the International standard is hereby being recommended for adoption without deviation for publication as draft Tanzania standard.

Some terminologies and certain conventions are not identical with those used as Tanzania standards; attention is drawn to the following:

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

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

## Scope

Accidental actions can be subdivided into accidental actions with a natural cause and accidental actions due to human activities. This document applies to reliability based and risk informed decision making for the design and assessment of structures subject to accidental actions due to human activities. However, fires and human-made earthquakes are not included.

The information presented in this document is intended for buildings and civil engineering works, regardless of the nature of their application and the use or combination of materials. The application of this document can require additional elements or elaboration in special cases.

This document is intended to serve as a basis for those committees that are responsible for the task of preparing International Standards, national standards or codes of practice in accordance with given objectives and context in a particular country. Where relevant, it can also be applied directly to specific cases.

This document describes how the principles of risk and reliability can be utilized to support decisions related to the design and assessment of structures subject to accidental actions and systems involving structures during all the phases of their service life. For the general principles of risk informed design and assessment, it is intended that [ISO 2394](#) be considered.

The application of this document necessitates knowledge beyond that which it contains. It is the responsibility of the user to ensure that this knowledge is available and applied.