



DRAFT TANZANIA STANDARD

Bases for design of structures - General requirements

DRAFT STANDARD

TANZANIA BUREAU OF STANDARDS

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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(TBS) is the statutory national standards body for Tanzania established under the Standards Act No. 3 of 1975, repealed and replaced by the Standards Act No. 2 of 2009.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)

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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 22111:2019 Bases for design of structures - General requirements** published by the International Organization for Standardization (ISO), This publication was last reviewed and confirmed in 2025. Therefore, this version remains current.

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

This document provides the requirements for structural design and procedures following a semi probabilistic approach that conform to the general principles for structural reliability as stipulated by [ISO 2394](#). The scope of requirements and procedures are accordingly limited to the design of structures for which sufficient knowledge and experience are commonly available on design and construction practice to ensure that target levels of reliability account for the nature and consequences of structural failure. Situations outside these limitations are covered by [ISO 2394](#).

The methods that are included in this document are the semi-probabilistic limit states approaches that are proven to achieve sufficient and consistent levels of structural reliability.

This document relies on standardized procedures for the characterization of the load bearing performance of the structures within its scope. Sufficient information is needed on uncertainties of design variables and models to be able to derive semi-probabilistic design measures for verification of structural reliability within the scope of this and the related design standards.