



DRAFT TANZANIA STANDARD

**Geotechnical investigation and testing — Geohydraulic testing — Part 6:
Water permeability tests in a borehole using closed systems**

Draft for Public Comments

TANZANIA BUREAU OF STANDARDS

BCDC 13 (1865) DTZS/ISO 22282-6:2012

This Tanzania Standard was published under the authority of the Board of Directors of Tanzania Bureau of Standards on yy-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(TBS) is the statutory national standards body for Tanzania established under the Standards Act No. 3 of 1975, repealed and replaced by the Standards Act No. 2 of 2009.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 Transport (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)

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 Tanzania Standard:

- Dar es salaam Institute of Technology (DIT)
- TANROADS-Central Materials Laboratory (CML)
- ENGG CONSULT Consulting Engineers
- Zanzibar Bureau of Standards (ZBS)

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0 National Foreword

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

This draft Tanzania Standard was prepared by BCDC 13 Foundation and Soils for civil engineering purposes technical committee under the supervision of the Building and Construction Divisional Committee (BCDC).

This draft Tanzania Standard is an identical adoption of the 1st Edition of International Standard ISO 22282-6:2012 *Geotechnical investigation and testing — Geohydraulic testing — Part 6: Water permeability tests in a borehole using closed systems*.

Terminologies and conventions

The text of the International Standard is hereby recommended for approval without deviation for publication as Tanzania standard. A list of Tanzania Standard(s) equivalent to the ISO standard(s) provided as normative references is given in Annex C.

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

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

Whenever the words “International Standard” appear, referring to this standard, they should be interpreted as “Tanzania Standard”.

Annex C
(normative)

In the use of this standard, the ISO standard in the table is replaced with the equivalent Tanzania standard given in Table C.1.

TABLE C.1 — Tanzania Standard with the equivalent ISO standards

SN	ISO Standard	Tanzania Standard
1	ISO 14688-1	TZS 2500-1
2	ISO 14689	TZS 2501
3	ISO 22282-1	TZS 3458-1

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Annex D

(normative)

For the purposes of this Tanzania Standard, the following changes have been made from the adopted standard:

TABLE D.1 — Normative changes made on this standard from the adopted ISO standard

Clause/Subclause	Modifications	Explanation
5.3.2, Table 2	Corrected the Permeability coefficients in the second row of table i.e $1, 10^{-8}, 1, 10^{-9}$ and $1, 10^{-10}$ to read as $1 \times 10^{-8}, 1 \times 10^{-9}$ and 1×10^{-10} respectively	Editorial changes
B.2, Equation B.2	Defined the symbol “C*” used in equation B.2 as “compressibility coefficient at a given test stage”	Clarity on the meaning of symbol “C*” used in equation B.2