



## **DRAFT TANZANIA STANDARD**

**(Draft for comments only)**

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**Solar heating-Domestic water heating systems-Part 2: Outdoor test  
methods for system performance characterization and yearly performance  
prediction of solar-only systems**

## 0 National Foreword

This draft Tanzania Standard has been prepared by the Renewable Energy Technical Committee, under the supervision of the Electrotechnical Divisional Standards Committee (EDC)

This draft Tanzania Standard is an adoption of the International Standard **ISO 9459-2 *Solar heating-Domestic water heating systems-Part 2: Outdoor test methods for system performance characterization and yearly performance prediction of solar-only system*** which has been prepared by the International Organization for Standardization (ISO).

## 1 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.
- 2) Where the words “International Standard(s)” appear, referring to this standard they should read “Tanzania Standard(s)”.

# INTERNATIONAL STANDARD

**ISO**  
**9459-2**

First edition  
1995-08-15

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## **Solar heating — Domestic water heating systems —**

### **Part 2:**

Outdoor test methods for system  
performance characterization and yearly  
performance prediction of solar-only systems

*Chauffage solaire — Systèmes de chauffage de l'eau sanitaire —*

*Partie 2: Méthode d'essai en extérieur pour la caractérisation de la  
performance des systèmes "tout solaire" et la prédiction de leur  
performance annuelle*



Reference number  
ISO 9459-2:1995(E)

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 9459-2 was prepared by Technical Committee ISO/TC 180, *Solar energy*, Subcommittee SC 4, *Systems — Thermal performance, reliability and durability*.

ISO 9459 consists of the following parts, under the general title *Solar heating — Domestic water heating systems*:

- *Part 1: Performance rating procedure using indoor test methods*
- *Part 2: Outdoor test methods for system performance characterization and yearly performance prediction of solar-only systems*
- *Part 3: Performance test for solar plus supplementary systems*
- *Part 4: System performance characterization by means of component tests and computer simulation*
- *Part 5: System performance characterization by means of whole-system tests and computer simulation*

Annex A forms an integral part of this part of ISO 9459. Annexes B, C and D are for information only.