



## **DRAFT TANZANIA STANDARD**

**(Draft for stakeholders' comments only)**

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**Lead acid starter batteries- Part 1: General requirements and methods of test**

**TANZANIA BUREAU OF STANDARDS**

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## 1 National Foreword

This draft Tanzania Standard has been prepared by the Cells and Batteries Technical Committee, under the supervision of the Electrical Engineering Divisional Standards Committee (EEDC)

This draft Tanzania Standard is an adoption of the International Standard **IEC 60095-1:2006** *Lead acid Starter batteries-Part 1: general requirements and methods of test* Which has been prepared by the International Electrotechnical Commission.

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

## Abstract

This part of IEC 60095 is applicable to lead-acid batteries with a nominal voltage of 12 V, used primarily as a power source for the starting of internal combustion engines, lighting and for auxiliary equipment of internal combustion engine vehicles. These batteries are commonly called "starter batteries". This standard is not applicable to batteries for other purposes, such as the starting of railcar internal combustion engines.

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INTERNATIONAL  
STANDARD**

**CEI  
IEC  
60095-1**

Septième édition  
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2006-11

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**Batteries d'accumulateurs  
de démarrage au plomb –**

**Partie 1:  
Exigences générales et méthodes d'essais**

**Lead-acid starter batteries –**

**Part 1:  
General requirements and methods of test**

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Commission Electrotechnique Internationale  
International Electrotechnical Commission  
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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

### LEAD-ACID STARTER BATTERIES –

#### Part 1: General requirements and methods of test

#### FOREWORD

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International Standard IEC 60095-1 has been prepared by IEC technical committee 21: Secondary cells and batteries.

This seventh edition cancels and replaces the sixth edition published in 2000. It constitutes a complete technical revision. In this edition, most of the tests and requirements have been modified, including mainly: the charge acceptance test, the cranking performance test, the charge retention test and the endurance test.

The text of this standard is based on the following documents:

FDIS	Report on voting
21/644/FDIS	21/649/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

IEC 60095 consists of the following parts, under the general title *Lead-acid starter batteries*:

Part 1: General requirements and methods of test

Part 2: Dimensions of batteries and dimensions and marking of terminals Part

4: Dimensions of batteries for heavy trucks

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

## LEAD-ACID STARTER BATTERIES –

### Part 1: General requirements and methods of test

#### 1 Scope

This part of IEC 60095 is applicable to lead-acid batteries with a nominal voltage of 12 V, used primarily as a power source for the starting of internal combustion engines, lighting and for auxiliary equipment of internal combustion engine vehicles. These batteries are commonly called "starter batteries".

This standard is not applicable to batteries for other purposes, such as the starting of railcar internal combustion engines.

This standard specifies:

- general requirements;
- essential functional characteristics, relevant test methods and results required,

for several classes of starter batteries

- according to the general type of application;
- according to the type of product.

#### 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60050 -482, *International Electrotechnical Vocabulary (IEV) – Chapter 482: Primary and secondary cells and batteries*

IEC 60095-2, *Lead-acid starter batteries – Part 2: Dimensions of batteries and dimensions and marking of terminals*

IEC 60095-4, *Lead-acid starter batteries – Part 4: Dimensions of batteries for heavy trucks*

#### 3 Terms and definitions

For the purposes of this document, the terms and definitions of IEC 60050-482 apply.