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## DRAFT EAST AFRICAN STANDARD

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Diaries — Specification

EAST AFRICAN COMMUNITY

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## Foreword

Development of the East African Standards has been necessitated by the need for harmonizing requirements governing quality of products and services in the East African Community. It is envisaged that through harmonized standardization, trade barriers that are encountered when goods and services are exchanged within the Community will be removed.

The Community has established an East African Standards Committee (EASC) mandated to develop and issue East African Standards (EAS). The Committee is composed of representatives of the National Standards Bodies in Partner States, together with the representatives from the public and private sector organizations in the community.

East African Standards are developed through Technical Committees that are representative of key stakeholders including government, academia, consumer groups, private sector and other interested parties. Draft East African Standards are circulated to stakeholders through the National Standards Bodies in the Partner States. The comments received are discussed and incorporated before finalization of standards, in accordance with the Principles and procedures for development of East African Standards.

East African Standards are subject to review, to keep pace with technological advances. Users of the East African Standards are therefore expected to ensure that they always have the latest versions of the standards they are implementing.

The committee responsible for this document is Technical Committee EASC/TC 065, Paper and Paper Products.

Attention is drawn to the possibility that some of the elements of this document may be subject of patent rights. EAC shall not be held responsible for identifying any or all such patent rights.

## Diaries — Specification

### 1 Scope

This Draft East African Standard specifies requirements, sampling and test methods for diaries.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 287, *Paper and board — Determination of moisture content of a lot — Oven-drying method*

ISO 535, *Paper and board — Determination of water absorptiveness — Cobb method*

ISO 536, *Paper and board — Determination of grammage*

ISO 1924-3, *Paper and board — Determination of tensile properties — Part 3: Constant rate of elongation method (100 mm/min)*

ISO 2470, *Paper and board — Measurement of diffuse blue reflectance factor (ISO brightness)*

ISO 2471, *Paper and board — Determination of opacity (paper backing) — Diffuse reflectance method*

ISO 2758, *Paper — Determination of bursting strength*

ISO 6588-1, *Paper, board and pulps — Determination of pH of aqueous extracts — Part 1: Cold extraction*

ISO 11093-4, *Paper and board — Testing of cores — Part 4: Measurement of dimensions*

### 3 Terms and definitions

For the purposes of this document, the following terms and definitions and those in ISO 4046 (all parts) shall apply

#### 3.1

##### **bursting strength**

the maximum uniformly distributed pressure, applied at right angles to its surface, that a test piece of paper or board will stand, under specified test conditions

#### 3.2

##### **chemical**

when used to describe paper or paper fibres, denotes a derivation from chemical pulp

#### 3.3

##### **chemical pulp**

defined as in ISO 4046, but with the provision that it may contain at most 5 % by mass of mechanical pulp

**3.4 grammage**  
the mass of unit area of paper or board determined by the specified method of test and expressed in grams per square meter

**3.5 opacity (paper backing)**  
the ratio, expressed as a percentage, of the amount of light reflected from a single sheet of paper with a black backing to the amount of light reflected from the same sheet of paper backed by an effectively opaque pile of sheets of the same paper; the measurements are made under specified conditions

**3.6 page**  
one side of leaf of a book

**3.7 ageing**  
process of growing old, about one year

## 4 Classifications

Diaries should be of the following classifications

### 4.1 Class 1

One week at an opening, size A5.

### 4.2 Class 2

One week at an opening, size A4.

### 4.3 Class 3

One day per page, size A4.

### 4.4 Class 4

One day per page, size A5.

## 5 Requirements

### 5.1 General requirements

**5.1.1** Writing paper shall be free from defects such as fibre bundles, holes, wood splinters, specks, breaks and shall be capable of accepting inks when applied by writing media in general use, without undue spread, feathering or strike through.

**5.1.2** The layout of the diaries shall be such that they contain enough space for daily entries to enable coverage of the calendar for the full year

**5.1.3** The diary shall be free from visible defects and shall open easily without damage being done to any part of the diary.

**5.1.4** All printed wordings on diaries shall be in English, Kiswahili, French or combination or any other language agreed upon between the buyer and the manufacturer.

## 5.2 Specific requirements

### 5.2.1 Writing paper

Writing paper for diaries shall comply with the specific requirements in Table 1.

**Table 1 — Specific requirements of the writing paper for diaries**

S/No.	Property	Requirement	Test method
i	<sup>a</sup> Grammage, g/m <sup>2</sup> , Min.	65	ISO 536
ii	Bursting strength, kPa, Min.	90	ISO 2758
iii	Opacity,%, Min.	70	ISO 2471
iv	Moisture content, %,	4 - 7	ISO 287
v	pH of aqueous extract	4.5 - 9.5	ISO 6588-1
vi	Water absorptiveness, g/m <sup>2</sup> , Min.	18 - 24	ISO 535
vii	Tear factor, mN, Min.	50	ISO 1924-3
viii	<sup>b</sup> Brightness, %, Min., for mechanically processed paper	a) Initial	75
		b) After ageing	
<sup>a</sup> Tolerance of $\pm 5$ % on declared value above the minimum <sup>b</sup> Applicable to white paper only			

### 5.2.2 Grammage of the cover flaps

When tested in accordance with ISO 536, cover flaps shall have a minimum grammage of 750 g/m<sup>2</sup>

### 5.2.3 Dimensions

When tested in accordance with ISO 11093-4, the diaries shall meet the declared dimensional requirements subject to a tolerance of  $\pm 3$  mm

### 5.2.4 Binding

The sections should be bound in any of the following ways:

- a) spiral bound;
- b) perfect bound;
- c) hard bound
- d) case bound



## 6 Packaging and marking

### 6.1 Packaging

#### 6.1.1 Packages

Diaries shall be supplied in suitable packages containing the same class, size, and having the same number of pages. The package used shall prevent diaries from being exposed to moisture, dust, dirt and other hazards during transportation and storage.

#### 6.1.2 Cartons

When packed in cartons, it shall be of such quality and strength to prevent bursting, tearing, distortion or opening up from the weight of diaries.

### 6.2 Labelling

#### 6.2.1 Marking on front cover of a diary

The front cover of a diary shall bear at least the following printing:

- a) the "Year"; and
- b) any additional information specified by the purchaser.

#### 6.2.2 Labelling on the package

Each package shall be legibly and indelibly marked either in English, Kiswahili or French or combination with the following information:

- a) manufacturer's name, address and/or trademark;
- b) name of the product (i.e. "Diaries");
- c) fibre composition (i.e. "Virgin", "Blended" or "Recycled" );
- d) number of diaries in the package;
- e) country of origin; and
- f) any other information requested by the purchaser.

## 7 Sampling

Sampling shall be done in accordance with ISO 186

## Bibliography

KS 2596: 2015, Diaries — *Specification*

Public Review Draft



Public Review Draft