APPENDIX AA  
ADOPTION PROPOSAL FORM

**CPR183/F12**

**KENYA BUREAU OF STANDARDS**

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| **Document Type:** | **Adoption proposal** | |
| **Dates:** | Circulation date | Closing date |
| **25th June 2025** | **25th July 2025** |
| **TC Secretary** | This form shall be filled, signed and returned to Kenya Bureau of Standards for the attention of **Jefferson Gathara <<(**[**gatharaj@kebs.org**](mailto:gatharaj@kebs.org))**>>** | |

The Kenya Bureau of Standards intends to adopt the International Standards as detailed here below:

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|  | **Number:** | ISO 23478:2022 |
| **Title:** | Bamboo structures — Engineered bamboo products — Test methods for determination of physical and mechanical properties |
| **Scope:** | This document specifies test methods suitable for determining the following mechanical properties of engineered bamboo products:   1. Modulus of elasticity in bending; 2. Shear modulus; 3. Bending strength; 4. Modulus of elasticity in tension parallel to the fibre; 5. Tension strength parallel to the fibre; 6. Modulus of elasticity in compression parallel to the fibre; 7. Compression strength parallel to the fibre; 8. Modulus of elasticity in tension perpendicular to the fibre; 9. Tension strength perpendicular to the fibre; 10. Modulus of elasticity in compression perpendicular to the fibre; 11. Compression strength perpendicular to the fibre and shear strength; 12. Shear strength parallel to the fibre.   In addition, the determination of dimensions, moisture content and density are specified.  This document is applicable to prismatic shapes of glued laminated bamboo and bamboo scrimber intended to resist flexure, shear, axial loads, or combinations thereof. |
|  | **Number:** | ISO 5257:2023 |
| **Title:** | Bamboo structures — Engineered bamboo products — Test methods for determination of mechanical properties using small size specimens. |
| **Scope:** | This document specifies test methods, using small size specimens, suitable for determining the following mechanical properties of engineered bamboo products: tensile strength parallel-to-fibre; tensile modulus parallel-to-fibre; compressive strength parallel-to-fibre; tensile strength perpendicular-to-fibre; tensile modulus perpendicular-to-fibre; compressive strength perpendicular-to-fibre; compressive modulus perpendicular-to-fibre; shear strength parallel-to-fibre and shear modulus parallel-to-fibre.  NOTE This document provides an alternative test method to ISO 23478.  This document specifies test procedures for currently manufactured products as defined in 3.1 and 3.2 to evaluate material properties. The methods specified in this document are applicable to small size test specimens. The methods required to determine characteristic values, design values, or allowable values of the mechanical properties for a population are out of the scope of this document. Materials that do not conform to the definitions of bamboo scrimber or glued-laminated bamboo are beyond the scope of this specification. |
|  | **Number:** | ISO 16830:2025 |
| **Title:** | Specification of bamboo drinking straws |
| **Scope:** | This document specifies the requirements, test methods, handling, storage, packaging, and marking and labelling of bamboo drinking straws.  It is applicable to bamboo drinking straws:   * made of natural hollow-cylindrical-shape bamboo culms and branches; * made by drilling holes on sticks processed from bamboo culm wall; and * made by rolling bamboo veneer. |
|  | **Number:** | ISO 21625:2020 |
| **Title:** | Vocabulary related to bamboo and bamboo products |
| **Scope:** | This document defines terms related to bamboo, intermediate bamboo and bamboo products.  This document is applicable to bamboo, intermediate bamboo and bamboo products in production and trade. |
|  | **Number:** | ISO 7567:2024 |
| **Title:** | Bamboo structures — Glued laminated bamboo — Product specifications |
| **Scope:** | This document specifies requirements for the components of glued laminated bamboo members intended for structural use.  Although currently most glued laminated bamboo is made from *Phyllostachys edulis* (Moso), this document also applies to other bamboo species (e.g. *Guadua angustifolia*, *Dendrocalamus asper*) if the performance required by this document can be shown to have been achieved.  The basic requirements apply to structural members of all service classes; however, special precautions are necessary for service class 3, for example, the use of weather resistant adhesives (see [5.2](https://www.iso.org/obp/ui/en/#iso:std:iso:7567:ed-1:v1:en:sec:5.2)).  [Annex C](https://www.iso.org/obp/ui/en/#iso:std:iso:7567:ed-1:v1:en:sec:C) contains informative references for formaldehyde emission.  The requirements will need to be supplemented to take into consideration any relevant special conditions as well as material and/or functional requirements. |

We are therefore seeking views from potential users in respect of the same. The Standard is available at the Kenya Bureau of Standards Information Centre. Please tick and fill your preference of the listed option. (If the spaces provided are not enough, please attach a separate sheet of paper).

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| **S/No.** | **Standard Number** | **Adoption acceptable as presented** | **Adoption proposal not acceptable** | **Reason why adoption proposal not acceptable** | **Proposed Change/recommendation(s)** |
|  | ISO 23478:2022 |  |  |  |  |
|  | ISO 5257:2023 |  |  |  |  |
|  | ISO 16830:2025 |  |  |  |  |
|  | ISO 21625:2020 |  |  |  |  |
|  | ISO 7567:2024 |  |  |  |  |

Adoption acceptable as presented

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Adoption proposal not acceptable because of the reason(s) below

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Our Recommendations are as follows

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Name and Signature (of respondent): ................................................

Position (of respondent): .....................................

On behalf of ......................................................................................... (Name of organization)

Date .........................................................................

**NOTE:** Absence of any reply or comments shall be deemed to be an acceptance of the proposal for adoption and **shall constitute an approval vote**.