



## **BOTSWANA BUREAU OF STANDARDS**

### **Call for public comments on Draft Botswana Standards**

Botswana Bureau of Standards intends to adopt the following draft standards and International Standards as Botswana Standards:

**1. PDS 333:2009, Burglar-resistant safes – Specification**

This draft standard specifies requirements for eight categories of burglar-resistant safes.

**2 PDS 334:2009, Servicing, repair and reconditioning of safes, strongroom doors, vault doors and fire-resistant equipment – Specification**

This draft standard specifies requirements for the servicing, repair and reconditioning of safes, strongroom doors, vault doors and fire-resistant equipment.

**3 PDS 335:2009, The structural use of steel, Part 1: Limit-state design of hot-rolled steelwork - Specification**

This draft standard provides rules and requirements for the design, fabrication and erection of steel structures. The design is based on limit states. The term “steelwork” refers to structural members and frames that consist primarily of hot-rolled structural steel components, and includes the detail parts, welds, bolts, fasteners and other items required in fabrication and erection. This standard also applies to structural steel components in structures framed in other materials.

**4 PDS 336:2009, The structural use of steel, Part 2: Limit-states design of cold-formed steelwork – Code of practice**

This draft code of practice applies to the design, based on limit states, of structural members cold-formed to shape, from carbon or low-alloy steel sheet, strip or plate of thickness up to 25 mm and intended for load carrying purposes in buildings. For applications other than in buildings, supplementary codes of practice may have to be used to take account of different structural loads and effects, environments or service conditions.

**5 PDS 337:2009, Plastics materials for food contact use**

This draft Standard specifies materials and the procedure for use during the various stages of production of plastics materials, coating and printing of plastics items for food contact and subsequent use. This includes such items as packages, domestic containers, wrapping materials, utensils or any other plastics items intended for food contact applications.

**6 PDS 338:2009, Road markings Part 1: Single-pack solvent-borne paints**

This draft Standard specifies requirements for conventional solvent-borne paints suitable for marking traffic-bearing bituminous or concrete road surfaces, and makes provision for white, yellow and other colours.

NOTE: Paints applied over bituminous screeds less than three months old or over concrete surfaces less than one month old are regarded as temporary markings with an expected service life of less than six months.

**7. PDS(693):2009, Ductile iron pipes, fittings, accessories and their joints for use in high and low pressure systems for potable and foul water**

This draft standard specifies the requirements and associated test methods applicable to ductile iron pipes, fittings, accessories and their joints, for the construction of pipelines to convey water (for example, potable water, sewage) with or without pressure and to be installed below or above ground.

**8. PDS(844):2009, Inspection and supplemental treatment of treated wood utility poles**

This draft standard gives guidance on the field inspection of in-service poles used for power distribution lines, telephone systems or street lighting, to determine damage to the poles by physical factors or biological factors (or both), and on the supplemental treatment that can be used to prolong the serviceability of utility poles.

**9. PDS(853):2009, Sawn eucalyptus timber – Part 1: Proof-graded structural timber**

This draft standard specifies requirements for two stress grades of proof-graded structural timber (including finger-jointed structural timber) derived from the eucalyptus species

**10. PDS(852):2009, Sawn eucalyptus timber – Part 2: Brandering and battens**

This draft standard specifies requirements for one grade of eucalyptus timber that is suitable for use as brandering and battens, i.e. intended for being fixed against beams and joists in roofs for the attachment of ceilings and for the boxing in of eaves

**11. PDS(854):2009, Wooden four-way perimeter base pallets**

This draft standard covers the material, dimensions, assembly, and workmanship of two types of 1 200 mm x 1 000 mm re-usable four-way double-decked non-reversible block type flat wooden pallets that are suitable for use in ISO and related freight containers and that are intended for the handling of uniformly distributed loads of mass not exceeding the rating of the pallets.

**12. PDS 89:2009 Covered electrodes for the manual arc welding of carbon and carbon manganese steels – Specification**

This draft specification covers requirements for covered steel electrodes suitable for the manual arc welding of carbon and of carbon manganese steels having an ultimate tensile strength not exceeding 650 MPa.

**13. PDS 398-1 Welding – Glossary of terms**

This draft standard defines selected terms used in welding, cutting and allied processes.

**14. PDS 398-2 Welding - Symbols**

This draft standard covers the symbols recommended for use on working drawings for the purpose of specifying the form and extent of welds and the welding processes to be used.

**15. PDS 399 Non-destructive examination of welds – Radiographic examination of welded joints**

This draft standard applies to the radiographic examination of fusion welded joints in metallic materials.

**16. PDS 400 Welding consumables – Quality requirements for manufacture, supply and distribution of consumables for welding and allied processes**

This draft standard defines quality requirements for manufacture, supply and distribution of consumables used for welding and allied processes. It provides guidance for manufacturers, suppliers and distributors of consumables for describing the capability to manufacture, supply and deliver

**17. IEC TS 62257-2:2004, Recommendations for small renewable energy and hybrid systems for rural electrification – Part 2: From requirements to a range of electrification systems**

This international technical specification proposes a methodological approach for the setting up and carrying out of socio-economic studies as part of the framework of decentralized rural electrification projects. It also provides some structures as technical solutions that could be recommended, depending on the qualitative and quantitative energy demands, consistent with the needs and financial situations of the customer.

**18. IEC TS 62257-4:2003, Recommendations for small renewable energy and hybrid systems for rural electrification – Part 4: System selection and design**

This international technical specification provides a method for describing the results to be achieved by the electrification system independently of the technical solutions that could be implemented. It also lists functional requirements that shall be achieved by the production and distribution subsystems.

To make comments on these standards, please contact the Information Centre of the Botswana Bureau of Standards at Plot No. 55745, Main Airport road, Block 8, Gaborone.

All interested parties are invited to provide their views regarding the standard **before 5<sup>th</sup> December 2009**

Suggestions which entail revision of the text should indicate the preferred wording and the relevant clauses should be quoted against each comment.

The comments should be sent to:

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