INVITATION FOR PUBLIC COMMENTS ON DRAFT BOTSWANA STANDARDS

Standards for a better Botswana

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

TEXTILE AND LEATHER TECHNOLOGY

1. **PDS 503, Mosquito netting**

   This Draft Standard covers one type of warp-knitted polyester fabric suitable for mosquito netting.

2. **PDS 505-1, Performance requirements for textiles fabrics of low flammability – Part 1: Apparel Fabrics**

   This part of PDS 505 covers the flammability performance requirements for four classes of washable apparel fabric, each class being divided into three flammability performance categories.

3. **PDS 505-2, Performance requirements for textiles fabrics of low flammability – Part 2: Curtains and drapes fabrics**

   This part of PDS 505 covers the flammability performance requirements only of four classes of curtain and drape fabrics.

   Should any requirements of this draft standard conflict with any requirements of the regulations issued in terms of the relevant national legislation (see foreword), the requirements of the said regulations shall prevail.

4. **PDS 505-3, Performance requirements for textiles fabrics of low flammability – Part 3: Upholstery fabrics**

   This part of PDS 505 covers the flammability performance requirements for upholstery fabrics.

5. **PDS 505-4, Performance requirements for textiles fabrics of low flammability – Part 4: Bedding fabrics, bedcovers and pillows**

   This part of PDS 505 covers the flammability performance requirements for four classes of bedding fabrics, bedcovers and pillows.

6. **PDS 505-5, Performance requirements for textiles fabrics of low flammability – Part 5: Fabrics for use in movable office partitions**

   This part of PDS 505 covers the flammability performance requirements for two categories of fabrics for use in the make-up of movable office partitions.

7. **PDS 507, Leather school bags and school brief cases**

   This Draft Standard covers three types of cases suitable for use by school children.

8. **PDS 508, Chrome-tanned bend outer sole leather**

   This Draft Standard specifies requirements for chrome-tanned, wax impregnated, bend outer sole leather

9. **PDS 509, Vegetable-tanned bend outer sole leather**

   This Draft Standard specifies requirements for vegetable-tanned bend outer sole leather.

10. **PDS 510, Fabric linings for footwear**

    This Draft Standard covers the requirements for 13 types of woven cotton fabric suitable for use as linings for footwear. Three of the types are fabric combined by adhesive bonding.

11. **PDS 511, Footwear laces**

    This Draft Standard covers four types of braided tubular lace and one type of woven lace made in all cases from nylon or polyester yarns.

BUILDING AND CONSTRUCTION

12. **PDS 514, Cultured marble sanitaryware – Specification**

    This draft standard specifies requirements for cultured marble sanitary ware.

TRANSPORT OF DANGEROUS GOODS

13. **PDS 517, Transport of dangerous goods – Operational requirements for road vehicles**

    This draft standard establishes rules and procedures for the safe operation and handling of all road vehicles that are used for the transport of dangerous goods in accordance with the load constraints. The procedures include requirements for the consignor, the consignee, the operator, the driver and the qualified person as well as en route procedures, and cargo handling.

    The draft standard covers the following three operations for the transport of dangerous goods by road:

    a) loading of the dangerous goods, which is the responsibility of the consignor;

    b) driving of the vehicle that carries the dangerous goods to its destination, which is the responsibility of the operator and the driver; and

    c) off-loading of the dangerous goods, which is the responsibility of the consignee.

    The requirements in legislation on explosives and on radioactive material shall take precedence over the requirements of this standard in the case of Class I – Explosives, and Class 7 – Radioactive material, respectively.

14. **PDS 518-1, Transport of dangerous goods – Emergency information systems – Part 1: Emergency information system for road transport**

    This part of PDS 518 covers requirements for emergency information systems, such as requirements for hazard class diamonds, placards and emergency information documents.

    The emergency information system as documented in this part of PDS 518 is intended to assist emergency services response teams in the mitigation of an incident that involves dangerous goods.

15. **PDS 518-3, Transport of dangerous goods – Emergency information systems – Part 3: Emergency response guides**

    This part of PDS 518 covers standard procedures of initial response, in the form of Emergency Response Guides (ERGs), that are to be followed by a first responder upon arrival at the scene of an incident that involves the transport of materials that are classified as dangerous goods in accordance with PDS 540. The ERGs are intended to be used by the first responder or by the emergency services until more detailed information on the properties of each material and its treatment becomes available. An ERG is compiled for a group of materials that share the same emergency response. ERGs facilitate the early assessment of the potential hazards and indicate the response that should be taken to mitigate the incident.

16. **PDS 519-1, Transport of dangerous goods – Packaging and large packaging for road and rail transport – Part 1: Packaging**

    This part of PDS 519 identifies various methods of packaging that are suitable for prescribed maximum quantities of dangerous goods that may be offered for transport by road or by rail. It describes minimum performance requirements for the packaging, the procedures to be followed to obtain approval from testing or certification authorities and gives details of the labels and marking to be displayed on the packaging.It describes minimum performance requirements for the packaging, the procedures to be followed to obtain approval from testing or certification authorities and gives details of the labels and marking to be displayed on the packaging.

17. **PDS 519-2, Transport of dangerous goods – Packaging and large packaging for road and rail transport – Part 2: Large packaging**

    This standard identifies the various types of large packaging that are suitable for the transport of dangerous goods by road and rail. It describes minimum performance requirements for the large packaging, the procedures to be followed to obtain approval from test stations or certification authorities and gives details of the marking and labelling to be displayed on the large packaging.

18. **PDS 540, The identification and classification of dangerous goods for transport**

    This standard covers the identification of dangerous goods that are capable of posing a significant risk to health and safety or to property and the environment. Dangerous goods are classified in nine classes and three packing groups in accordance with the United Nations' *Recommendations on the Transport of Dangerous Goods. Model Regulations.* The nine classes relate to the type of hazard whereas the three packing groups relate to the degree of danger posed within the class.

19. **PDS 541, Transport of dangerous goods – Intermediate bulk containers for road and rail transport**

    This standard establishes the requirements for various types of intermediate bulk container (IBC) suitable for the transport of dangerous goods by road and rail. It describes minimum performance requirements for the IBCs, the procedures to be followed to obtain approval from testing or certification authorities and gives details of the marking and labelling to be displayed on the IBCs.

20. **PDS 543, Transport of dangerous goods – Design, construction, testing, approval and maintenance of road vehicles and portable tanks**

    This standard covers requirements for the design, construction, testing, approval and maintenance of road vehicles and portable tanks used to transport dangerous goods as classified in PDS 540 and as required by the relevant national legislation in quantities in excess of the exempted quantities.

Botswana Bureau of Standards also intends to adopt the following international standards as Botswana Standards:

ELECTRICAL ENGINEERING

1. **IEC 60745-2-12:2008, Hand-held motor-operated electric tools – Safety – Part 2-12: Particular requirements for Concrete vibrators**

   This International Safety Standard deals with the safety of hand-held motor-operated or magnetically driven electric tools, the rated voltage of the tools being not more than 250 V for single-phase a.c. or d.c. tools, and 440 V for three-phase a.c. tools. Requirements for rechargeable battery-powered motor-operated or magnetically driven tools and battery packs for such tools are also given. This standard applies to concrete vibrators.

2. **IEC 60745-2-14:2006, Hand-held motor-operated electric tools – Safety – Part 2-14: Particular requirements for planers**

   This International Safety Standard deals with the safety of hand-held motor-operated or magnetically driven electric tools, the rated voltage of the tools being not more than 250 V for single-phase a.c. or d.c. tools, and 440 V for three-phase a.c. tools. Requirements for rechargeable battery-powered motor-operated or magnetically driven tools and battery packs for such tools are also given. This standard applies to planers.

3. **IEC 62509:2010, Battery charge controllers for photovoltaic systems – Performance and functioning**

   This standard establishes minimum requirements for the functioning and performance of battery charge controllers (BCC) used with lead acid batteries in terrestrial photovoltaic (PV) systems. The main aims are to ensure BCC reliability and to maximize the life of the battery. The standard defines functional and performance requirements for battery charge controllers and provide tests to determine the functioning and performance characteristics of charge controllers.

4. **IEC 61427:2005, Secondary cells and batteries for photovoltaic (PV) energy systems – General requirements and methods of test**

   This standard gives general information relating to the requirements of the secondary batteries used in photovoltaic energy systems (PV) and to the typical methods of test used for the verification of battery performance.

BOBS cordially invites interested parties to provide their views regarding the abovementioned standards by **30th December 2011.**

Copies of international standards may only be viewed and Copies of draft standards may be requested from the Information Centre of the Botswana Bureau of Standards at Plot No. 55745, Main Airport road, Block 8, Gaborone or Francistown Branch at Plot No. 13393/4/5, Insurance House, Second Floor, Francistown.

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

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