Major updates/supplements to the Material Regulations edition 2006.

1.3.2 Marking

The certification mark's type and placement for each product type is to be in line with the following:

Blade - embossed mark on the blade's surface, see point 1.3.2.4.

1.3.2.1 Marking of stick

Stick manufactures are allowed to print the certification mark as a part of the Brand name / Model name sticker / print. *The sticker / print must be performed in a resistant material, e.g. paper and similar materials are not allowed.* The manufacturer is …….

1.3.2.3 New IFF logo

Additional new paragraph.

During the period until next edition of Material Regulation (2008) the old IFF logo will be gradual replaces by the new IFF logo. The new official IFF certification mark design is now available for download, in various formats, on the Manufactures Information Web Site. For companies who have adopted the new marking system must not later than 1st of July 2008 use the new design.

1.3.2.4 Embossed mark for blades and balls

Additional new paragraph.

Blade

The new official IFF certification mark design for embossed marking of blade is now available for download, on the Manufactures Information Web Site. Companies have to adopted the new marking requirement not later than 1st of July 2008, see also point 2.1.1.

Ball

The new official IFF certification mark design for embossed marking of ball is now available for download, on the Manufactures Information Web Site. Companies have to gradual replaces the old embossed IFF logo, no final date yet decided. All new moulding tools for ball have to adopted the new marking requirement not later than 1st of July 2008, see also point 2.2.7.

IFF

Embossed Certification mark for blades and balls

1.3.2.5 Name of certificate holder

Additional new paragraph.

Name of certificate holder is to be printed on the sticks, goals and rinks. The name can be shown as company name and telephone No. and/or an internet address. The font size for sticks may not be less than 2 mm in height and preferably be placed on the backside of the shaft. The font size for goals and rinks may not be less than 5 mm in height and preferably be placed on the backside of the goal/rink. Companies have to adopted the new marking requirement not later than 1st of July 2008.

2.1.1 Stick Design

……..in polymeric materials. *The blade is to have an embossed print. The marking is to be of such proportions and design that the information is clearly visible and is not removed under play. The print size may not be less than 5 mm in height. The embossed print is to be uncoloured.*

2.1.4.1 Shaft Rigidity *Method A (sticks 850mm or longer)*

The shaft should deflect by at least 23 mm under a load of 300 N measured as mean value of three deflections in each direction (horizontal and vertical). No individual value may be less than 20 mm for the most rigid direction of the shaft. The shaft should and tolerate a deflection of at least 60 mm without cracking or fracturing. The shaft's resulting deformation following deflection should not exceed 6 mm.

2.1.4.2 *Shaft Rigidity Method B (sticks 650mm to 849mm)*

Additional new paragraph

The shaft should deflect by at least 10 mm under a load of 300 N measured as mean value of three deflections in each direction (horizontal and vertical). No individual value may be less than 8 mm for the most rigid direction of the shaft. The shaft should and tolerate a deflection of at least 30 mm without cracking or fracturing. The shaft's resulting deformation following deflection should not exceed 3,5 mm.

4.2.4 Examination of *after request* submitted inspection records

Supervisory inspection includes a requirement for the certificate holder to *after request* submit inspection records for inspection.

[**removed:** twice a year, in June and in December].

Appendix 1

5.2.5.1 Equipment

Universal testing machine with a velocity of 200 mm/min is used during testing. Printer or similar device to determine the deflection for various load factors is connected.

Cylindrical supports mounted in bearings with 35± 10 mm diameter for 3-point deflection test with 800 mm *(method A, sticks 850mm or longer) or 600 mm (method B, sticks 650mm to 849mm)* between the centres of the supports. Cylinder with 35± 10 mm diameter is used for applying the force. All the cylindrical supports are to have a lowering mechanism with 15± 5 mm radius (appendix 17) where the shaft is located.

5.2.5.3 Implementation

The stick is placed on the support without being attached. The load is applied by 200 mm/min in the middle of the shaft to a deflection of 60 mm *(method A) or 30 mm (method B)* whilst a force/displacement diagram is taken. The stick is to be loaded in 2 directions, with the point of the blade both vertical and horizontal. The shaft's resulting deformation following deflection is registered, whereby the value is read after 10 seconds. Three sticks are tested in each direction.

5.2.5.4 Results

Mean value of three deflections in each direction (horizontal and vertical) at 300 N rounded off to 5/10 mm. Any occurrence of fracture is to be reported; otherwise the individual value of the force is reported at 60 mm *(method A) or 30 mm (method B)* deflection in N.
The individual value of the resulting deformation following deflection is rounded off as specified in section 5.1.2.

Prepared by SP, June 2007