APPENDIX D1
CHARACTERISTICS OF SHORT TRACK PROTECTIVE PADDING

The following characteristics and specifications for Short Track Protective Padding were developed by the Fédération de patinage de vitesse du Québec and are intended as a guideline when selecting padding.

The 30cm pad protection should have the following characteristics:

A double layer pad made of opened cells of polyurethane foam, with the following dimensions: 1.22m (4ft) by 2.404m (8ft) by 30.5cm (12in).

The first layer, on the rink side, should be 12.7cm (5in) thick. The foam should be of the BLV 24-A50* type, a regular raw polyurethane foam, non-flame-retardant with a nominal density of 24 kg/m^3 (between 22.1 and 26.0 kg/m^3 or between 1.38 and 1.62 lbs/ft^3) and a firmness index** (DPI or IFD index) of A50 N (between 126 and A60 N or between 28.5 and 34.1lbs).

The second layer, on the board side, should be 17.8cm (7in) thick. The foam should be of the BLV 28-200* type, a regular raw polyurethane foam, non-flame-retardant with a nominal density of 28 kg/m^3 (between 26.1 and 30.0 kg/ m^3 or between 1.63 and 1.84 lbs/ft^3) and a firmness index** (DPI or IFD index) of 200 N (between 171 and 220 N or between 38.7 and 50.0lbs).

The 20cm pad protection should have the following characteristics:

A double layer pad made of opened cells of polyurethane foam, with the following dimensions: 1.22m (4ft) by 2.404m (8ft) by 20.3cm (8in).

The first layer, on the rink side, should be 10.1cm (4in) thick. The foam should be of the BLV 24-A50* type, a regular raw polyurethane foam, non-flame-retardant with a nominal density of 24 kg/m^3 (between 22.1 and 26.0 kg/m^3 or between 1.38 and 1.62 lbs/ft^3) and a firmness index** (DPI or IFD index) of A50 N (between 126 and A60 N or between 28.5 and 34.1lbs).

The second layer, on the board side, should be 10.1cm (4in) thick. The foam should be of the BLV 24-240* type, a regular raw polyurethane foam, non-flame-retardant with a nominal density of 24 kg/m^3 (between 22.1 and 26.0 kg/m^3 or between 1.38 and 1.62 lbs/ft^3) and a firmness index** (DPI or IFD index) of 240 N (between 221 and 260 N or between 50.1 and 59.1lbs).

*The description and characteristics of the foams are those presented in the Canadian standards CAN/BNQ 3851-750-M92 Polyurethane packaging foam.

** The firmness index is determined by the trial described in the Quebec standards NQ 3805-098-89 Flexible cellular polymeric materials -- Determination of hardness (indentation technique). This standard is in technical compliance with the international standards ISO 2439-1980 and ASTM standards D 3574-86.

To ensure product compliance, we recommend that at least one sample of the foam (38cm x 38cm x 10cm or A6in x A6in x 4in) from each production lot be provided to us for physical characteristics control purposes.

The pad cover:

Concerning the pad cover material, FPVQ approves the ISU recommedtion, although the surface weight could be increased to 18 oz/ft2. It would be important that the pad cover is not sealed so that compliance of the polyurethane foam may be verified. It may be accessed through a zipper (sturdy) or Velcro fastening. Another important point about the pad cover is that it must be big enough so that the foam pads will not be compressed in any way. A space of approximately two centimetres along the length and the width would be desirable.

Other pad cover characteristics, such as the anchoring system, bindings or others must be specified by the user. They have no effect on the impact absorption properties.

APPENDIX D2
PLACEMENT OF SAFETY MATS