

**CMAS Underwater
Hockey Commission**

Tender for the Supply of Pucks
for 2013 World Championship

July 2013

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1. Purpose

The purpose of this tender document is to clearly advise the evaluation procedure for selecting a puck for use for during the 2013 CMAS World Underwater Hockey Championship. Pucks that meet the performance criteria but not selected will be advised that they can use the tag 'Approved for use by CMAS Underwater Hockey Commission for International Competitions'.

1.1 Hungarian Divers Federation Requirements

According to mandatorily public procurement practices, the Hungarian Divers Federation under the Hungarian Olympic Committee, are required to tender the supply of pucks for the competition. This will be published by 30th July with closing date for receipt of pucks and documentation by 1st October for the evaluation.

Suppliers will need to send 4 non-returnable pucks to the Hungarian Divers Federation, H- 1134 Budapest, Dózsa Gy. út 53. , as well as supply documentation and guarantees. All costs in the evaluation are borne by the supplier. A tender document will be supplied to suppliers who register their interest via email to:

uweworlds2013@buvar.hu

The most suitable pucks would have to be chosen giving the best performance on the tiles of the pools. A special training/testing session by players will be held in the presence of the President of the Underwater Hockey Commission and the International Chief Judge of the tournament. The pucks will be evaluated and the best performing puck will be selected.

The World Championship puck evaluation result will be announced on 10th December 2012.

1.2 Expected Supply Quantities

Table 1 Expected Supply Quantities

Description	Number of Pucks	Comments
Evaluation Purpose	4	Two for indoor pool evaluation, 2 for outdoor pool. One perhaps 2 pucks may be destroyed. Two pucks to be bright pink or bright orange. For the remainder of the evaluation pucks may be of any colour.
Tournament Use	40	Bright pink or bright orange only. Number based on 4 courts and one puck per day for 9 days plus 4 for practice.
Participants	300-400	Estimated number. Not purchase by the tournament. Direct sales to participating teams on their request.

1.3 Costs

All costs of supply of documentation and pucks is to be borne by the puck suppliers seeking CMAS commission sanctioning and right to supply pucks for the 2013 World Championships

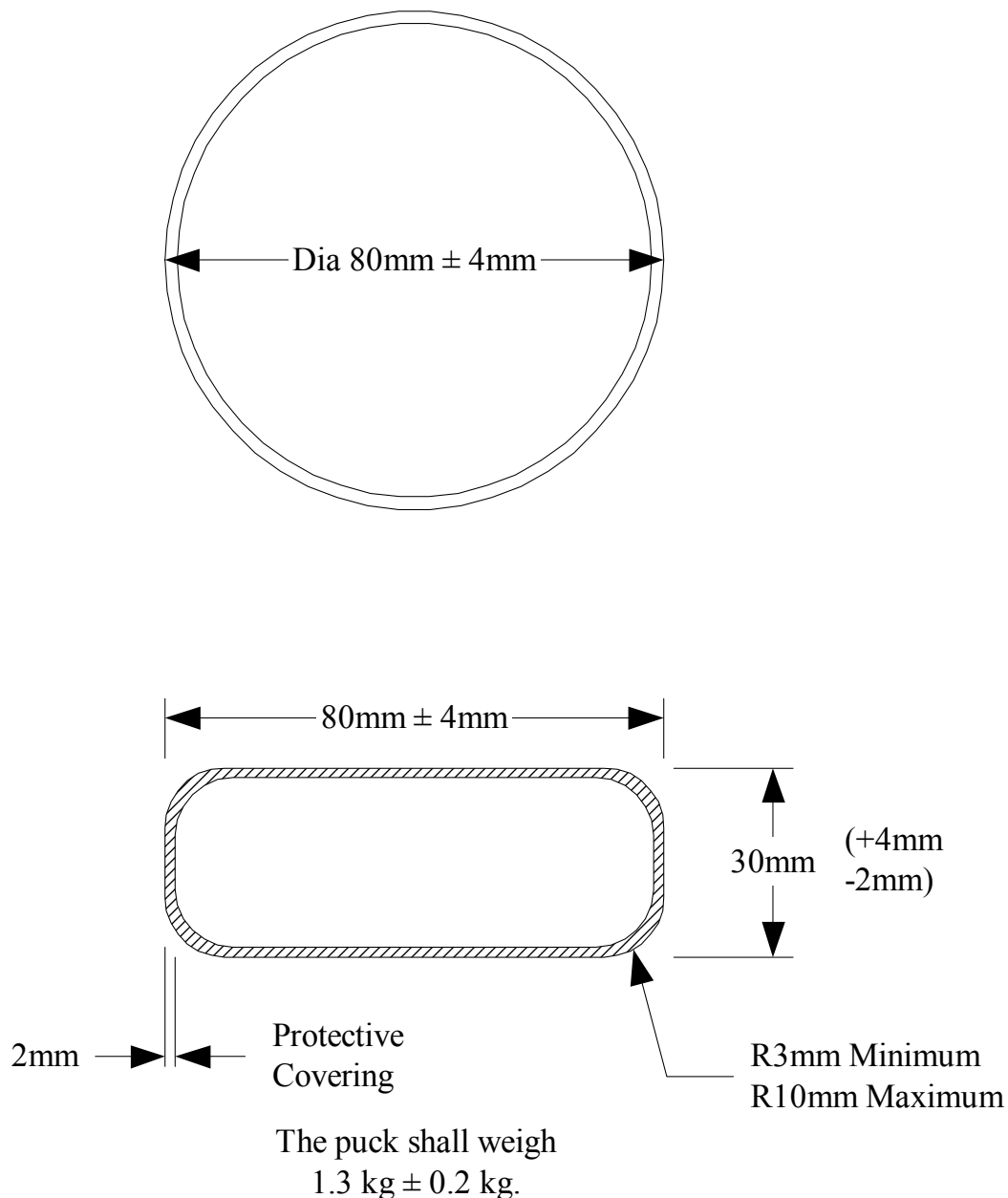
2. Puck Specification

Extract from the CMAS Version 10 Rules approved for use by BoD in October 2011

12.5.6 The Puck (see Figure 12A)

- 12.5.6.1 The puck shall have a diameter of 80mm, ± 4 mm; and a thickness of 30mm, +4mm, -2mm. These are outside dimensions, which include the puck and the protective covering.
- 12.5.6.2 The radius of the puck edge, whether covered or not, shall be from 3mm to 10mm in radius.
- 12.5.6.3 The puck shall weigh 1.3kg, ± 0.2 kg.
- 12.5.6.4 The puck must be a bright distinctive colour. High-visibility pink or orange is preferred, and for World Championships the puck **must** be bright pink or orange.
- 12.5.6.5 In the case of an official World or Zone Championship, the puck must have the approval of the World Tournament Director.

FIGURE 12A THE PUCK



3. Attribute Statement Format

Puck suppliers are requested to follow the format set forward in this section in order to facilitate the reading and analysis of the bid file by the commission. The presentation of documentation should be as simple and economical as possible (the commission is interested in the facts, not the presentation).

3.1 Format

The documents shall be written in English.

Each Supplier shall submit statements of suitability/conformance to Commission's requirements for the following attributes with their Bid.

The Supplier shall provide enough information relevant to this document to allow proper evaluation of non-price attributes. However, the total submission for all six attributes shall be limited to 10 single-sided A4 pages at 12point font. Cost quotations, and player recommendations are additional to this limit.

The bid document is to be one PDF file. Maximum size is 5 MB.

3.2 Submission

The due date for submission is the 1st October 2012. The PDF file should be submitted via email to uweworlds2013@buvar.hu.

3.3 Proposed Programme for Evaluation

The due date for submission is the 1st October 2012 12 Noon UTC.

The outcome of the bid will be advised on 10th December 2012.

3.4 Evaluation Panel

The evaluation of the bid will be undertaken by selected players and overseen by CMAS Underwater Hockey Commission President and CMAS Underwater Hockey Commission Tournament Director. No less than 5 people will be used to evaluate the pucks.

4. Puck Evaluation Process

4.1 Puck Evaluation Process

This puck will be evaluated in the following manner:

NON PRICE ATTRIBUTES	60%
Compliance with Specification and past performance	10 %
Coating, Colour & Hardness	10 %
Puck stability and performance	20 %
General Pool evaluation	20 %
PRICE ATTRIBUTE	40 %

The Proposal Evaluation process shall be undertaken in two stages as follows:

- (a) Determine the tender proposals acceptability; each non-price attribute shall be graded on a point's basis, from 0 pts (completely inadequate) to 100 pts (excellent) then. Any tender proposal with a raw score of **35 or less score shall be excluded** from any further consideration.
- (b) To convert the tender price to a price grade, the following formula shall be used.

$$Price\ Grade = 50 + 100 * \frac{\{Median\ Conforming\ Tender\ Price\} - \{Tender\ Price\}}{\{Median\ conforming\ Tender\ Price\}}$$

Prices of alternative tenders shall not be considered when determining the Median Conforming Tender Price

- (c) Price grade may be negative but shall not be greater than 100.

5. Price Attribute

5.1 Total Evaluation Cost

The total evaluation cost is the sum of the average cost to supply one, 13 and 40 pucks including shipping.

All costs are to include shipping costs from supply location to 4 locations provided in the cost submission form. An average of the costs will be used for evaluation purposes. A submission form is attached in Appendix B

Suppliers are to advise the following costs(Cost to include postage):

- ▶ Individual Puck cost for the purchase of one puck.
- ▶ Supply of 13 pucks (1e 12 players and 1 for coach/reserve)
- ▶ Supply of 40 pucks for the 2013 World Championship to Hungarian Divers Federation, H- 1134 Budapest, Dózsa Gy. út 53.

Evidence of shipping costs must be provided. For shipping costs use International Economy (10-25 days).

Suppliers to advise what advertised price list will be from 10th December until 31st August 2013 and include at least the following

- ▶ Purchase price for one puck.
- ▶ Purchase price for of 10 pucks

The successful puck supplier will be requested to supply a one page PDF advertisement list of supply prices that the commission can email to federation contacts on the suppliers behalf.

6. Non Price Attribute Marking Schedule

The following marking sheets are indicative of what will be used in the puck evaluation process outlined above. Attributes will be evaluated in accordance with the following Marking Schedule:

6.1 Compliance with Specification and Past Performance

Provide written records to confirm the following:

- ▶ Detailed puck dimensions and certification that puck meets specification
- ▶ Guarantees to replace defective pucks due to materials or workmanship
- ▶ Previous track record in events and recommendations

Table 2 Specification and Past Performance Scoring Matrix

Possible Score	Technical specifications 50%	Warranty 20%	Previous usage 10%
90,95,100	Third party certification that puck meets specification	>3 year warranty for materials and workmanship	-used in current year (2012), -used in previous International Championships -recommendations from reputable players and -5-10 years' experience in circulation
75,80,85	All 4 Puck meet specification. No independent verification	2 year warranty for materials and workmanship	-used in current year (2012), -recommendations from reputable players and 2-5 years' experience in circulation
60, 65, 70,	3 out of 4 Pucks meet specification. No independent verification	1 year warranty for materials and workmanship	In current year (2012) and 2 year experience in circulation
40, 45, 50, 55	Disqualified from consideration as pucks not meeting specification	6 month warranty for materials and workmanship	In current year (2012) and new puck
<35		No warranty	Not yet tested in competition

Comment

Third party certification is defined as independent certification by companies such as www.bureauveritas.com that puck meets the specification.

International Events are representative events between federations. The events that fit this definition are: World Championships, Age Group World Championships, European Championships, Trans-Tasman Championships, Southern Hemisphere Championships, Asian Championships and America's Cup

6.2 Coating, Colour and Hardness

Provide written records to confirm the following:

- ▶ Coating specification
- ▶ Considered hardness and pool bottom that this puck is applicable to.

- ▶ An additional cost to vary colours

Table 3 Coating Scoring Matrix

Possible Score	Colour 40%	Hardness 40%	Cost 20%
90,95, 100	Bright Pink or Bright Orange plus other more than 4 other colours available.	Available in soft cover suitable for tiled pools and hard covers suitable for concrete bottomed pools	No cost difference for different colours
75,80,85	Bright Pink or Bright Orange plus other more than 4 other colours available.	Available in soft cover suitable for tiled pools	No cost difference for the majority(75%) of colours
60, 65, 70,	Generally OK, some deficiencies	Available only in hard cover	Cost difference for different colours
40, 45, 50, 55	Needs improvement to be acceptable		
<35	Bright Pink or Bright Orange colour not available Unacceptable		

Comment

For world championship the puck must be Bright Pink or Bright Orange. Federations, clubs or individuals may request different colours

Hardness of coatings alters the pucks stability and performance on different pool bottoms.

Coating products vary in cost and this is acknowledged

6.3 Puck Stability

Provide written records to confirm the following:

- ▶ Stability of puck when played on tiles/ concrete bottom.
- ▶ Passes from front edge of stick
- ▶ Passes from back edge of stick

Table 4 Puck Stability Scoring Matrix

Possible Score	Stability 40%	Passing front edge 30%	Passing Back Edge 30%
90, 95, 100	Excellent in every regard	Excellent in every regard	Excellent in every regard
80, 85	Meets the expectations	Meets the expectations	Meets the expectations
60, 65, 70, 75	Generally meets the expectations, some deficiencies	Generally meets the expectations, some deficiencies	Generally meets the expectations, some deficiencies
40, 45, 50, 55	Barely adequate	Barely adequate	Barely adequate
<35	Not appropriate	Not appropriate	Not appropriate

Comment

Stability of puck when played on tiles. i.e. does the puck bobble easily? Does the puck have an eccentricity that makes the puck ‘drop’ out of flight? Is the puck easy to handle?

6.4 General Puck Evaluation

Provide written confirmation from reputable players to confirm the following:

- ▶ Puck performance in game play.
- ▶ Puck performance on breakaway runs
- ▶ Puck performance during skills

Table 5 General Pool Evaluation

Possible Score	Game play 40%	Break away 40%	Skills Control 20%
90, 95 or 100	Excellent in every regard	Excellent in every regard	Excellent in every regard
80, or 85	Meets the expectations	Meets the expectations	Meets the expectations
60, 65, 70, 75	Generally meets the expectations, some deficiencies	Generally meets the expectations, some deficiencies	Generally meets the expectations, some deficiencies
40, 45, 50, 55	Barely adequate	Barely adequate	Barely adequate
<35	Not appropriate	Not appropriate	Not appropriate

Comment

Game sessions will be undertaken in Hungary by a panel of players. The Players will score the performance of pucks and these will be average and summed to provide the score for evaluation.

Appendix A

Weighted Attribute Marking Schedule- Example

**CMAS Underwater Hockey Commission Evaluation Procedure
Weighted Attributes Method**

Bid For:	Puck Sanctioning & WC 2013 Supply		Date:	20-Oct-12				
Year	2012		Median Price:	€ 1,190.00 For evaluation				
Attribute Points	Compliance with specification & past performance	Coating, Colour and Hardness	Puck stability and performance	General Puck Evaluation	Total Evaluation Cost (Euros)	Individual puck purchase (Euros)	Purchase price for 13 pucks (Euros)	Tournament supply 40 pucks (Euros)
Sims Puck- GB	85.000	90.000	90.000	90.000	€ 450.00	€ 50.00	€ 400.00	€ 0.00
Orca- RSA	70.000	95.000	50.000	40.000	€ 1,750.00	€ 50.00	€ 500.00	€ 1,200.00
Oreo- CAN	90.000	90.000	85.000	85.000	€ 1,750.00	€ 50.00	€ 500.00	€ 1,200.00
Brudy Puck- SLO	90.000	90.000	85.000	80.000	€ 1,190.00	€ 40.00	€ 350.00	€ 800.00
Parore Puck- NZL	85.000	85.000	90.000	90.000	€ 1,190.00	€ 40.00	€ 350.00	€ 800.00
Gillispie Puck- AUS	90.000	90.000	80.000	40.000	€ 930.00	€ 30.00	€ 300.00	€ 600.00
Canam- USA	90.000	90.000	75.000	75.000	€ 990.00	€ 40.00	€ 350.00	€ 600.00
Weighted Attribute Factors								
	Compliance with specification & past performance	Coating, Colour and Hardness	Puck stability and performance	General Puck Evaluation	Total Evaluation Cost (Euros)	Weighted Total		
Attributes Weighting	10.0%	10.0%	20.0%	20.0%	40.0%	100% Ranking		
Sims Puck- GB	8.500	9.000	18.000	18.000	44.874	98.374		1
Orca- RSA	7.000	9.500	10.000	8.000	1.176	35.676		7
Oreo- CAN	9.000	9.000	17.000	17.000	1.176	53.176		6
Brudy Puck- SLO	9.000	9.000	17.000	16.000	20.000	71.000		4
Parore Puck- NZL	8.500	8.500	18.000	18.000	20.000	73.000		3
Gillispie Puck- AUS	9.000	9.000	16.000	8.000	28.739	70.739		5
Canam- USA	9.000	9.000	15.000	15.000	26.723	74.723		2
The highest ranked bid and recommended Puck is	Sims Puck- GBR							

Appendix B
Price Submission Form

Price Submission Form

Supplier Details

Supplier Company Name	
Contact details	
Contact Name	
Phone	
Email	

Please insert costs

Basic Puck Supply Cost	Cost (Inclusive of Shipping to Wellington New, Zealand)	Cost (Inclusive of Shipping to Manila, Philippines)	Cost (Inclusive of Shipping to Cape Town, South Africa)	Cost (Inclusive of Shipping to Medellin, Colombia)	Cost (Inclusive of Shipping to Calgary, Canada)	Cost (Inclusive of Shipping to Budapest, Hungary)	Average Price for evaluation
One Puck							
13 Pucks							
40 Tournament Pucks							

Attached shipping quotes to support cost of puck supply

