



## Amendment #2

**Please see the following bidder Questions and Answers (A) and note requirement changes where applicable:**

1. Clarification Request re: Hard Copy and Soft Copy Submissions; and Language

REFERENCED SECTIONS:

RFSO, Part 3.1 Offer Preparation Instructions  
Section 1: Technical Offer - two (2) HARD Copies

Performance Specifications. Section 2.4 Deliverables (Supporting Documentation)  
[Mandatory Requirements]

Manufacturers are required to supply information in BOTH FRENCH AND ENGLISH language. All deliverables shall be in Electronic PDF format....

- a). Deliverable with submission: A technical data package for each buoy type.....
- b). Deliverable at call up : A User Manual
- c). Deliverable with the bid submission: All engineering calculations shall be performed .....

Questions:

**1.1** In the first part referenced, the requirement is two (2) HARD copies ONLY. In the second part referenced, ALL DELIVERABLES shall be in PDF format.

In previous RFSOs, the requirement was:  
Two (2) Hard Copies  
One (1) PDF Copy on USB

Can you please clarify.

**A: Note that the requirement is amended so that the bidder is required to submit two (2) hard copies and one (1) usb stick containing their bid. Faxed bids will NOT be accepted.**

**1.2** In the second part referenced, it states that the mandatory technical requirements of the Technical Package and the Calculations for each buoy by an accredited Naval Architect must be presented in English and French.

Historically, bids have been allowed in either official language, translation was not required. Can you please clarify if translations of the bid document are now required.

**A: Note that the requirement is amended so that the bidder may submit bid documentation in the official language of their choice (English or French). Both are not required.**

**1.3** Also in the second part, it states that USER MANUALS must be provided in both official languages, historically, USER MANUALS were provided in either Official Language and Canada has made appropriate translation as necessary.

This requirement may have changed and we can accommodate as required. Can you please confirm requirement.

**A: Note that the requirement is amended so that the user manuals may be submitted in the official language of the bidder's choice. Both are not required.**

**2: Performance specifications, art.2.3.4:** For the pillar buoy, is there a general location where the steering eye must be located?

**A: Yes: It is usually placed on the opposite side of the lifting eye.**

**3: Annex A, A.2:** Is it acceptable for a buoy to have a weight lower than the Buoy Weight Range indicated in the Performance Requirements? If so, what would be the acceptable tolerance?

**A: Yes, if stated the buoy must be able to perform with the minimum and maximum mooring loads identified otherwise it can be 5% lighter in weight.**

**4: Annex A, A.2:** Is it acceptable for a buoy to have weight higher than the Buoy Weight Range indicated in the Performance Requirements? How are the maximum weights determined? What's the purpose of specifying a max. weight, considering that a lighter buoy would normally be less durable?

**A: No. A heavier buoy is not acceptable. Maximum weights are defined by the equipment used to handle the buoys and the maximum mooring loads.**

**5: Annex A, A.2:** Is Modular Construction allowed for the Small Spar, Small Marker, Medium Spar, Medium Marker, River Buoy, River-Low Draft Buoy, and Larger Marker?

**A: Yes, but no extra points will be given.**

**6: Annex A, A.2.x.15 and A.2.x.31:** How and under what conditions is tilt angle calculated for the buoys? What is the difference between "Operational current" and "Max. current"?

**A: The tilt angle is used mainly for the 'operational condition' or 'operational current' speed. The tilt angle is a function of the angular divergence of the lantern mounted atop of the buoy. There is no difference between the two Operational current" and "Max. current".**

**7: Annex A, A.2.5.22 and A2.6.22:** What is the purpose of having two mooring eyes for the River and the River-Low Draft buoys? Assuming that the purpose of multiple mooring eyes is to adjust the trim of the buoy depending on the mooring load and the river current, would a method of trimming the buoy using one mooring eye and adjustable ballast be acceptable?

**A: Yes the purpose of multiple mooring eyes is to adjust the trim of the buoy depending on the mooring load and the river current.**

**Yes. A different method would be acceptable, but must be proven in the bid proposal.**

**8: Annex B, Reference 19:** IALA V-128 no longer contains Table 2.2 with minimum cross-sectional area, as referenced by Criteria 2.2.5.2 in the Performance Specification. Which reference should be used when evaluating radar reflector cross sectional area?

**A: The May 2004 edition is to be used.**

**9: Evaluation Matrix:** Why are polyethylene and polystyrene considered superior to polyurethane for internal buoyancy material, based on the rated criteria in the evaluation matrix?

**A: Polyurethane is a difficult material to recycle and most plastic recyclers in Canada will not accept it.**

**10:** References:

- a) E6HAL-170009 – NMSO Plastic Buoys Tender document, Section 1.2.4. Medium Marker with hull diameters of 0.70 to 0.80 metres.
  - b) Plastics Buoys, BOP. Page 1. Table.
  - c) Plastic Buoys Performance Specification. Page 2, Section 1. Scope. 4. Medium Marker with hull diameters of 0.70 to 0.80 metres
  - d) Plastic Buoys - SOW: section 1.3 Quantities. Medium Marker 22 units/ 22 units
- Q: The Medium Marker is referenced in a), c), and d) however, it is not referenced in b). Please confirm the number and allocation of Medium Markers that are required.

**A: The bidder is correct. There is an error in the table that needs to be corrected. A revised Basis of Payment will be included with this amendment, adding Medium Marker buoys.**

**11:** References:

- a) E6HAL-170009 – NMSO Plastic Buoys Tender Document, Section 1.2: River Buoy is listed as a stand alone type.
  - b) Plastic Buoys Performance Specification. Annex B: there are two separate buoy types: 'River, Regular Profile' and 'River, Low Profile'.
- Q: Please confirm the quantities allocated between regular vs. low profile river buoys.

**A: Approximately 20% of the listed quantities for River Buoy are used for 'River, Low Profile'. Note that this quantity varies from year to year and is subject to change.**

**12:** Reference: Plastic Buoys - Performance Specifications EKME #1050011 A.2.6.1

Q: Please confirm if 1.0m diameter is a maximum or minimum requirement. If 1.0m is the minimum, what is the maximum diameter?

**A: 1.0 m is Maximum.**

**13:** Reference: Plastic Buoys - Performance Specifications A.2.6

Q: The design parameters of the River - Low Draft are a little unclear. Are there any additional illustrations or images of the River - Low Draft available? What is the MIN/MAX draft that is required?

**A: 0.5 m is Maximum Draft.**

**14:** Reference: Plastic Buoys SOW: Section 1.9.1

Q: We understand there is 30 days to deliver products after each call up. Is there additional time to deliver products after the first call up?

**A: Delivery date to be specified with the individual call-ups. If the Contractor is unable to accept the terms, discussions must take place for potential alternate delivery times.**

**15:** Reference: Plastic Buoys - Evaluation Matrix Section A.2.1.10 - A.2.8.10

Q: What data is required to verify the minimum radar cross sectional area?

**A: As calculations for RSC can be complicated, it is best to contact the maker for the lab test results of the radar reflector.**

**16:** Reference: Plastic Buoys - Performance Specification

Q: Is there flexibility in overall dimensions for all types of buoys? I.e. +/- 10mm?

**A: Tolerance on overall shall +/- 2.5 % of dimension.**

**17:** Reference: Plastic Buoy Evaluation Matrix Section 1.4 Buoy Type: Small Spar -

Q: For item TR03, Radar Cross Sectional Area, there are no max points listed however, there are only 25 points available out of the Total Technical Score of 40. What is the correct Total Technical Score?

**A: Max points for TR02 is 25 pts. Max points for TR03 is 15 pts. Together gives a total of 40 pts.**

**18:** Reference: Plastic Buoy Performance Requirements: Section 2.3.7.1

Q: The font that is specified is Arial. Is Century Gothic, which is very similar to Arial, acceptable?

**A: Yes. Any changes to font type must be submitted to CCG prior to implementing.**

**19:** Reference: Plastic Buoy Evaluation: Section 1.4, Small Spar, A.1.1.10

Q: The evaluation for radar cross sectional area shows 0 points for anything less than or equal to  $2 \text{ M}^2$ . It also shows 10 points for a minimum of  $2 \text{ M}^2$  to  $10 \text{ M}^2$ . Please confirm the number of points awarded for  $2 \text{ M}^2$ .

**A: The evaluation for radar cross sectional area will be as follows: 0pts for <2m<sup>2</sup>; 10 pts for 2m<sup>2</sup> to 10 m<sup>2</sup> and max pts for <10 m<sup>2</sup>**

All other terms and conditions remain unchanged.

**E6HAL-170009 PLASTIC BUOYS  
Annex B – Basis of Payment**

## **ANNEX B – BASIS OF PAYMENT**

Prices of Buoys								
Company Name					Date			
Address								
Buyandsell,ca Ref. No.					Amendment no.			
<p><b>Note: Shipping cost is included in this price.</b> Qty = Estimated order quantity per year. These are estimates only, based on current available data and actual order quantities may differ considerably based on operational requirements.</p>								
	East coast				West coast			
Types of Buoys (Hull Diameter)	One Colour \$ (ea)	Qty	Multi-Colour \$ (ea)	Qty	One Colour \$ (ea)	Qty	Multi-Colour \$ (ea)	Qty
Small Spar (0.25- 0.38m) ORT.		272		15		147		8
Small Marker (0.35 - 0.55 m)		136		8		74		4
Medium Spar (0.5- 0.7m)		68		4		37		2
Medium Marker (0.70 - 0.80 m)		12		1		8		1
River, Regular profile (0.75 – 1.3 m)		14		1		8		1
River, Low profile (n/a / 1.0m)		102		6		55		3
Large Marker (1.1 - 1.3 m)		34		68		19		1
Pillar (1.4 - 1.5 m)		68		4		37		2
<i>Name of Bidder</i>								
<i>Signature</i>								

**E6HAL-170009 PLASTIC BUOYS**  
**Annex B – Basis of Payment**

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Notes:

1-Technical Criteria tables must be completed and submitted with your proposal.

2-The basis of selection will be done on an item by item basis with a potential standing offer issued per buoy type per each location per colour type.

3-All efforts will be made to order at least ten buoys at a time. If less than ten buoys are required to be ordered at any one time, the client and contractor may negotiate additional shipping costs that must be fair and agreeable to both parties.

4-There may be an occasional request for delivery to a location other than Dartmouth, NS or Victoria, BC. In this event the client and the contractor may agree to use the costs for the nearest location, stated above or they may negotiate shipping costs that must be fair and agreeable to both parties.