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**K1A 0S5**

**Bid Fax: (819) 997-9776**

**SOLICITATION AMENDMENT**

**MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

**Comments - Commentaires**

**Vendor/Firm Name and Address**

**Raison sociale et adresse du  
fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**

Ship Construction, Refit and Related  
Services/Construction navale, Radoubs et services  
connexes

11 Laurier St. / 11, rue Laurier

6C2, Place du Portage

Gatineau

Québec

K1A 0S5

<b>Title - Sujet</b> P&A Medium Range Patrol Vessel		
<b>Solicitation No. - N° de l'invitation</b> M7594-173410/A		<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> M7594-173410		<b>Date</b> 2016-09-15
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$SMC-017-25973		
<b>File No. - N° de dossier</b> 017mc.M7594-173410	<b>CCC No./N° CCC - FMS No./N° VME</b>	
<b>Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-10-12</b>		<b>Time Zone</b> Fuseau horaire Eastern Daylight Saving Time EDT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>		
<b>Address Enquiries to: - Adresser toutes questions à:</b> Lamothe, Brenda		<b>Buyer Id - Id de l'acheteur</b> 017mc
<b>Telephone No. - N° de téléphone</b> (819) 420-2916 ( )		<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>		

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm (type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

**Amendment #1 is raised to post Questions and Answers and to amend the Endurance sections from two (2) days to four (4) days at Annex A Statement of Requirement.**

**1. Questions and Answers**

**Q.1.** Our Company is very interested in participating in this solicitation to assist the RCMP as it moves forward in development the RFP for this project. We want to ensure that the RFP does not overlook qualified vendors to meet the goals outlined in M7594-173410A.

Our company agrees that the Vessel Operational Requirement of 30kts at 90% MCR, with a minimum maneuvering speed of 1kt, is mandatory for the vessels core mission as described in ANNEX A. The multi-mission capabilities described are a custom fit for waterjet propulsion. Besides providing protection from propeller injury to personnel in the water, and the ability to operate in shallow or debris cluttered water without damage, the vessel must also provide high thrust, without cavitation at the displacement speeds required for towing operations in support of oil spills or recovery operations.

We believe that speeds in excess of 35kts are generally not achievable in coastal conditions without long term higher maintenance cost, reduced machinery life cycle, and excessive fuel burn. We develop our waterjet propulsion for low operating rpms, durability, and high thrust throughout vessel speed ranges from 0 to 35kts. Waterjet, and propeller vessels that operate above 35kts generally operate at high rpms, with resulting high noise and vibrations. Additionally, the high speed design sacrifices low speed bollard thrust required for towing or pushing operations, due to cavitation.

We are requesting that RFI, M7594-173410A, Annex A, Main Design Characteristics, Operational Requirements Summary Table, Speed be modified to a maximum speed of at least 35kts rather than the 40kts specified. This change will allow us, along with any other qualified manufacturers of high thrust propulsion systems, to be competitive and provide excellent multi-mission performance options to the RCMP Medium Range Patrol Vessels when an RFP is developed.

**A.1.** The request for a modification is not required. The proposed modification achieves the Core Requirements as stipulated in the Annex. The third column in the Main Design Characteristics Summary table are Optional Requirements not Operational Requirements.

Annex A describes Core Requirements and Optional Requirements. The Optional requirements column requests that potential vendors determine the feasibility and incremental costs associated with achieving these Optional requirements. Under the Speed Characteristics the Core Requirement is for a speed not less than 30 knots.

**2. To amend the Endurance sections below from two (2) days to four (4) days in Annex A Statement of Requirements:**

**General Statement of Requirements**

The vessels shall operate within 200 nautical miles of their respective home ports and conduct both local and medium range operations. Medium range operations will have a maximum combined transit and on-station time of **four (4) days**. Longer deployments are possible, but will require port stops to refuel and replenish stores.

**Crewing/Habitability**

The vessel's crew shall notionally be 2 personnel, depending on employment. A crew of 2 will be required for local operations, and additional crew may be required for medium range operations when the crew is required to stand watches. The vessel design shall have temporary accommodations for the crew to carry out local and near coastal operations for max **4 day** duration. The vessel shall have a toilet.

**Main Design Characteristics Summary Table**

Characteristic	Core Requirements	Optional Requirements
Length	10-15 m	
Draft	Not to exceed 1.2 m	
Speed	Not less than 30 knots at 90 % of the maximum unrestricted continuous rating.	Maximum speed at least 40 kts
Minimum Manoeuvring Speed	1 knot	
Range	Not less than 200 nautical miles at a transit speed of at least 20 knots.	
<b>Endurance</b>	<b>Sustained operations for 4 days with full complement. 12 hours continuous sailing per day.</b>	
Prime Movers	Twin Medium Speed Diesel Engines no greater than 1000 HP total	

Voyage Classification	Near Coastal Voyage Class II	
Hull	Aluminum	
Weather	Equipped for all-weather operation	
Pilothouse	Shock seating for 2 members 360 degree visibility at console	Shock seating for 2 members 360 degree visibility astern of console
Electronics	VHF, UHF, Police Radio, AIS, EPIRB, GPS, Navigation radar, auto pilot	
Equipment	Searchlight, IR camera, loud hailer	
Accommodations	Day bunks	Cabin - 2 crew members
	Head	Head and shower
Galley	Microwave, sink, mini refrigerator	Stovetop, larger refrigerator
Domestic		Water making capability