



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Réception des soumissions - TPSGC / Bid Receiving
- PWGSC
1550, Avenue d'Estimauville
1550, D'Estimauville Avenue
Québec
Québec
G1J 0C7

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
TPSGC/PWGSC
601-1550, Avenue d'Estimauville
Québec
Québec
G1J 0C7

Title - Sujet Conversion AHSL	
Solicitation No. - N° de l'invitation F3712-160019/A	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client F3712-160019	Date 2016-12-07
GETS Reference No. - N° de référence de SEAG PW-\$QCL-036-16926	
File No. - N° de dossier QCL-6-39125 (036)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-12-19	
Time Zone Fuseau horaire Heure Normale du l'Est HNE	
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes	
Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Gagnon, Mathieu	Buyer Id - Id de l'acheteur qcl036
Telephone No. - N° de téléphone (418) 649-2883 ()	FAX No. - N° de FAX (418) 648-2209
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

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

Solicitation No. - N° de l'invitation
F3712-160019/A
Client Ref. No. - N° de réf. du client
F3712-160019

Amd. No. - N° de la modif.
002
File No. - N° du dossier
QCL-6-39125

Buyer ID - Id de l'acheteur
qcl036
CCC No./N° CCC - FMS No/ N° VME

Please amend the above mentioned bidding solicitation with the changes below:

Item 1 – Annex K – Technical Information Sheets

Include Annex K – Technical information Sheets to the list of Annexes to the Table of Contents of the Invitation to Tender

Item 2 – Available space – Section 4.1.2 of the Technical Statement of Requirement

Question 1

Can CHS confirm the size of the Scientific Room Space?

Answer 1

Please refer to the pictures and drawings previously provided.

Item 3 – Antennas height – Section 4.2.1 of the Technical Statement of Requirement

Question 2

What is the maximum permissible height the antennas can be for road travel?

Answer 2

When the boat is on the trailer, from the road, the maximum height is 4.15 meters.

Item 4 – Echo sounder

Question 3

What make and model is the current Echo Sounder as fitted on the Launch and does it have a shallow depth alarm?

Answer 3

Raymarine model St40 (<http://www.raymarine.com/view/?id=192>). This model has the depth alarm functionality.

Item 5 – Functionalities and other Mandatory requirements

Eliminate the following requirement from the list of Non-mandatory Requirements of the Technical Statement of Requirements and include them in the list of Mandatory Requirement of the Technical Statement of Requirements;

<u>TSOR reference</u>	<u>Description of the requirement</u>	<u>Requirement</u>
3.1.7	Able to come back on the planned survey line smoothly in less than 60 seconds according to deviation established at point 3.1.6.1.	Mandatory
3.2.2	Full automatic control mode (autonomous);	Mandatory
3.2.3	Semi-automatic mode (assisted by the operator);	Mandatory
5.2.3	Short range high bandwidth 2.4 GHz – range 1 km.	Mandatory
6.1.1.4	Inertial navigation system;	Mandatory
6.1.1.7	Configurable cameras displays and controls;	Mandatory
6.1.1.8	Full data feedback windows;	Mandatory
6.1.2.2	Will perform an autonomous survey on a predetermined area along a line pattern	Mandatory
6.1.2.3	Will able to recording all operations	Mandatory
6.1.2.6	Will allow real-time adjustments;	Mandatory
6.2.1.1	Real-time information transmission to the operator for quality control;	Mandatory
6.2.1.3	Transmission of cameras information;	Mandatory
6.2.2.1	Engines control and monitoring;	Mandatory
6.2.2.2	Alarms information including engines, flooding, batteries minimum charge, communication lost, PC and network problem.	Mandatory
6.3.1	Analysis system for the collision avoidance system ;	Mandatory
6.3.2	Minimum depth alarm for the grounding avoidance system;	Mandatory
6.4.1	Collision avoidance system alarm and emergency preprogrammed command, including: stop, stay in place, go to...	Mandatory
6.4.2	Grounding avoidance system alarm and emergency preprogrammed command, including: stop, reverse and stop.	Mandatory
6.4.4	Defining working area with emergency procedures in case the AHSL tries to exit.	Mandatory
9.3	Spare Parts – The Contractor will provide a list of spare parts, with a complete description and price.	Mandatory

Item 6 – Table 4.1.1.2 of Part 4 – Evaluation Procedures and Basis of Selection, of the Invitation to Tender

Eliminate Table 4.1.1.2 of Part 4 - Evaluation Procedures and Basis of Selection, of the Invitation to Tender and replace it with the following Table 4.1.1.2:

Table 4.1.1.2: Point rated technical evaluation criteria for the assessment of the AHSV's functionalities and other deliverables included in the Bid. The criteria of the table below are taken from the requirements with a digital score rating in section 2 to 9 of the Technical Statement of Requirement of Annex A.

Minimum required = 10/33 points

Reference of the TSOR	Description	Point rated criteria
3.1.1.2	The cruising speed must be set by the operator in knots and this speed should be stable at: More or less 1 knot.	1 point if included
3.1.2.2	The cruising speed must be set by the operator in knots and this speed should be stable at: More or less 1 knot.	1 point if included
3.1.4.2	Maintain course made good over ground, at survey speed, in following conditions: With cross wind 15 knots or higher.	1 point if included
6.1.2.2	Following a pre-established line and able to stay on that line with a XTE : Between 1.0 to 2.0 meters;	1 point if included
6.1.2.3	Following a pre-established line and able to stay on that line with a XTE: Under 1.0 meter.	1 point if included
4.1.3.2	Weight of new added components : Will be between 60 and 90 kg;	1 point if included
4.1.3.3	Weight of new added components: Will be less than 60 kg.	2 points if included
4.2.2.2	The Contractor supplies and installs on board the vessel a horn that meets the requirements of the <i>Collision Regulations</i> . Actuated automatically when the automatic emergency system (refer to the section 6.4) is activated.	1 point if included
5.1.1.4	The communication interface must provide access to all AHSL functions and operation of hydrographic survey equipment from the remote control station, including: The audio-video streaming cameras located inside of the AHSL;	2 points if included
5.2.1	Low bandwidth – range 45 km.	1 point if included
5.2.2	Short range high bandwidth 2.4 GHz – range 1 km.	1 point if included
6.1.1.3.2	To be able to accept many file formats: GeoTIFF, SHP	2 points if included
6.1.1.5	Display functions: AIS targets;	1 point if included
6.1.1.6	Display functions: Radar overlay;	1 point if included
6.1.2.4	Operations functions : Will have a last line point callback function to continue the survey;	1 point if included
6.1.2.5	Operations functions : Will have a different points programming function at the end of the operation, including : Return to starting point, go to predetermined point, stop at the end of the line;	1 point if included

6.3.3	Quality control check for the bad acquisition data.	2 point if included
6.4.3.2	Emergency stop button with the following preprogrammed automatic functions: Reverse;	1 point if included
6.4.3.3	Emergency stop button with the following preprogrammed automatic functions: Return in remote manual mode;	1 point if included
6.4.3.4	Emergency stop button with the following preprogrammed automatic functions: Holding position.	1 point if included
6.4.5	Defining not allowed area.	1 point if included
9.4.1	For the following 4 years after the end of the warranty, the Contractor will provide a software annual maintenance plan including all licenses, updates and improvements of all software used for the AHSL control systems. The cost will be included in the bid price.	5 points if included
9.4.2	The Contractor will provide a service visit after the first season of operation of the AHSL. Where appropriate, the visit will be done at the CHS regional office in Mont-Joli and the cost will be included in the bid price.	3 points if included

Item 7 – Table 4.1.4 of Part 4 – Table of Mandatory Requirements to be met by bid closing, of the Invitation to Tender

Eliminate Table 4.1.4 – Table of Mandatory Requirements to be met by bid closing, of Part 4 – Evaluation Procedures and Basis of Selection, of the Invitation to Tender and replace it with the following Table 4.1.4:

Item	Description	Completed and attached
1	Completed Annex "I" Financial Bid presentation Sheet;	
2	Completed Appendix 1 to Annex "I" Price per item sheet;	
2	Curriculum vitae of the Project Manager	
3	Curriculum vitae of the Hydrographic Equipment Senior Technician	
4	Curriculum vitae of the Marine Automation Senior Technician	
5	Completed Annex "K" Technical Information Sheets	
6	Insurance requirement, as per clause 6.6.13, Part 6	

Item 8 – Section 4.2 of Part 4 – Basis of Selection, of the Invitation to Tender

Eliminate Section 4.2 – Basis of Selection, of Part 4 – Evaluation Procedures and Basis of Selection, of the Invitation to Tender and replace it with the following section 4.2:

4.2 Basis of Selection

4.2.1 Basis of Selection – Highest Combined Rating of Technical merit and Price, SACC Manual Clause A0027T (2007-07-16)

1. To be declared responsive, a bid must:
 - a. comply with all the requirements of the bid solicitation;
 - b. meet all mandatory technical evaluation criteria; and
 - c. obtain the required minimum of 30 points overall for the technical criteria evaluation for the assessment of the expertise of the company and its project team and the performance of proposed equipment (table 4.1.1.1) which are subject to point rating. The rating is performed on a scale of 65 points.
 - d. obtain the required minimum of 10 points overall for the technical criteria evaluation for the assessment of the AHSV's functionalities and other deliverables (table 4.1.1.2) which are subject to point rating. The rating is performed on a scale of 33 points.
2. Bids not meeting (a) or (b) or (c) or (d) will be declared non-responsive. Neither the responsive bid that receives the highest number of points nor the one that proposed the lowest price will necessarily be accepted. The responsive bid with the lowest evaluated price per point will be recommended for award of a contract.
3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 65 % for the technical merit and 35 % for the price.
4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows:
 - total number of points obtained / maximum number of points available multiplied by the ratio of 45% will be granted for the assessment of the expertise of the company and its project team and the performance of proposed equipment (See Table 4.1.1.1).
 - total number of points obtained / maximum number of points available multiplied by the ratio of 20% will be granted for the assessment of the AHSV's functionalities and other deliverables (See Table 4.1.1.2).
5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 35%.
6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.
7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

Example: (the maximum number of points for the technical competencies is 98, including 65 for the expertise and 33 for the functionalities and other deliverables)

Highest combined score; - for the financial aspect (35%); - for technical - References aspects of Table 4.1.1.1 (45%); - for technical - Functionalities and other deliverable aspects of Table 4.1.1.2 (20%)						
Bidders	A	Pass "Yes" or "No"	B	Pass "Yes" or "No"	C	Pass "Yes" or "No"
Submitted prices	154 000,00 \$	"No"	189 000,00 \$	"No"	266 000,00 \$	"No"
Technical scores for the assessment of the expertise of the Bidder and its project team and the performance of proposed equipment (Table 4.1.1.1) Minimum required = 30 points	29	No	41	Yes	44	Yes
Technical scores for the technical criteria evaluation for the assessment of the AHSV's functionalities and other deliverables (Table 4.1.1.2) minimum required = 10 points	23	Yes	21	Yes	30	Yes
Calculation	A		B		C	
Score for the prices	Lowest submitted price, divided by the submitted price, multiplied by 35					
	35,00		28,52		20,26	
Technical scores - References (Table 4.1.1.1)	Score, divided by 65, multiplied by 45					
	20,08		28,38		30,46	
Technical scores - Functionalities and other deliverables (Table 4.1.1.2)	Score, divided by 33, multiplied by 20					
	13,94		12,73		18,18	
Total	69,02		69,63		69,60	
In this example, the Contract would be awarded to Bidder "B" because it is the compliant bidder with the highest combined score. (Bidder "A" does not have the minimum score required for the technical - References aspect (Table 4.1.1.1))						

Item 9 – Annex K – Technical Information Sheets

Include the following Annex K – Technical Information Sheets, to the Invitation to Tender:

**ANNEX K
 TECHNICAL INFORMATION SHEETS**

All shaded area shall be completed. (One sheet for each submitted project)

Evaluation criteria #1 Bidder's Relevant Experience (15 points)		Project #
Project Title:		
Project Value:		
User/Client's References:	Name of the organization to which the system was sold (Bidder's customer):	
	User/Client's representative:	
	User/Client's representative:	
	User/Client's Email:	
Project dates:	Start date	End date
Project description:		Bid Reference Page
Characteristics of the AHSL equipment of the submitted project		
Remote Control Console	Make : _____ Model : _____ Others : _____ _____	
Vessel Control Unit	Make : _____ Model : _____ Others : _____ _____	
Computers and Software used	Make : _____ Model : _____ Others : _____ _____	
Devices and accessories used (radios, cameras, junction boxes, cables and any other non-listed essential items).	Make : _____ Model : _____ Others : _____ _____	

**ANNEX K
 TECHNICAL INFORMATION SHEETS**

All shaded area shall be completed. (One sheet for each submitted project)

Evaluation criteria #2 Experience of the Project Manager (5 points)		Name of the Project Manager	Project #
Project Title:			
Project Value:			
User/Client's References:	Name of the organization to which the system was sold (Bidder's customer):		
	User/Client's representative:		
	User/Client's representative:		
	User/Client's Email:		
Project dates:	Start date	End date	
Project description:			Bid Reference Page
Characteristics of the AHSL equipment of the submitted project			
Remote Control Console	Make : _____ Model : _____ Others : _____ _____		
Vessel Control Unit	Make : _____ Model : _____ Others : _____ _____		
Computers and Software used	Make : _____ Model : _____ Others : _____ _____		
Devices and accessories used (radios, cameras, junction boxes, cables and any other non-listed essential items).	Make : _____ Model : _____ Others : _____ _____		

**ANNEX K
 TECHNICAL INFORMATION SHEETS**

All shaded area shall be completed. (One sheet for each submitted project)

Evaluation criteria #3 Experience of the Hydrographic Equipment Senior Technician (10 points)		Name of the Hydrographic Equipment Senior Technician	Project #	
Project Title:				
Project Value:				
User/Client's References:	Name of the organization to which the system was sold (Bidder's customer):			
	User/Client's representative:			
	User/Client's representative:			
	User/Client's Email:			
Project dates:	Start date	End date		
Project description:			Bid Reference Page	
Characteristics of the AHSL equipment of the submitted project				
Remote Control Console	Make : _____ Model : _____ Others : _____ _____ _____			
Vessel Control Unit	Make : _____ Model : _____ Others : _____ _____ _____			
Computers and Software used	Make : _____ Model : _____ Others : _____ _____ _____			
Devices and accessories used (radios, cameras, junction boxes, cables and any other non-listed essential items).	Make : _____ Model : _____ Others : _____ _____ _____			

**ANNEX K
 TECHNICAL INFORMATION SHEETS**

All shaded area shall be completed. (One sheet for each submitted project)

Evaluation criteria #4 Experience of the Marine Automation Senior Technician (15 points)		Name of the Marine Automation Senior Technician	Project #
Project Title:			
Project Value:			
User/Client's References:	Name of the organization to which the system was sold (Bidder's customer):		
	User/Client's representative:		
	User/Client's representative:		
	User/Client's Email:		
Project dates:	Start date	End date	
Project description:			Bid Reference Page
Characteristics of the AHSL equipment of the submitted project			
Remote Control Console	Make : _____ Model : _____ Others : _____ _____		
Vessel Control Unit	Make : _____ Model : _____ Others : _____ _____		
Computers and Software used	Make : _____ Model : _____ Others : _____ _____		
Devices and accessories used (radios, cameras, junction boxes, cables and any other non-listed essential items).	Make : _____ Model : _____ Others : _____ _____		

**ANNEX K
 TECHNICAL INFORMATION SHEETS**

All shaded area shall be completed. (One sheet for each submitted project)

Evaluation criteria #5 Past performance of the proposed marine automation system (15 points)		Project #	
Project Title:			
Project Value:			
User/Client's References:	Name of the organization to which the system was sold (Bidder's customer):		
	User/Client's representative:		
	User/Client's representative:		
	User/Client's Email:		
Project dates:	Start date	End date	
Project description:		Bid Reference Page	
Characteristics of the AHSL equipment of the submitted project			
Remote Control Console	Make : _____ Model : _____ Others : _____ _____ _____		
Vessel Control Unit	Make : _____ Model : _____ Others : _____ _____ _____		
Computers and Software used	Make : _____ Model : _____ Others : _____ _____ _____		
Devices and accessories used (radios, cameras, junction boxes, cables and any other non-listed essential items).	Make : _____ Model : _____ Others : _____ _____ _____		

**ANNEX K
 TECHNICAL INFORMATION SHEETS**

All shaded area shall be completed.

Evaluation criteria #6 Understanding of the technical requirement (5 points)		
Identification and Functionalities of the equipment	Description of the Equipment	Bid Reference Page
	Make : _____ Model : _____	
	Make : _____ Model : _____	
	Make : _____ Model : _____	
	Make : _____ Model : _____	
	Make : _____ Model : _____	
	Make : _____ Model : _____	

**ANNEX K
TECHNICAL INFORMATION SHEETS – TABLE 4.1.1.2**

All shaded area shall be completed.

Reference of the TSOR	Point Rated Technical Evaluation Criteria's	Point rated criteria	Bid Reference Page
3.1.1.2	The cruising speed must be set by the operator in knots and this speed should be stable at: More or less 1 knot.	1 point if included	
3.1.2.2	The cruising speed must be set by the operator in knots and this speed should be stable at: More or less 1 knot.	1 point if included	
3.1.4.2	Maintain course made good over ground, at survey speed, in following conditions: With cross wind 15 knots or higher.	1 point if included	
3.1.6.2	Following a pre-established line and able to stay on that line with a XTE : Between 1.0 to 2.0 meters;	1 point if included	
3.1.6.3	Following a pre-established line and able to stay on that line with a XTE: Under 1.0 meter.	1 point if included	
4.1.3.2	Weight of new added components : Will be between 60 and 90 kg;	1 point if included	
4.1.3.3	Weight of new added components: Will be less than 60 kg.	2 points if included	
4.2.2.2	The Contractor supplies and installs on board the vessel a horn that meets the requirements of the <i>Collision Regulations</i> . Actuated automatically when the automatic emergency system (refer to the section 6.4) is activated.	1 point if included	
5.1.1.4	The communication interface must provide access to all AHSL functions and operation of hydrographic survey equipment from the remote control station, including: The audio-video streaming cameras located inside of the AHSL;	2 points if included	
5.2.1	Low bandwidth – range 45 km.	1 point if included	
5.2.2	Short range high bandwidth 2.4 GHz – range 1 km.	1 point if included	
6.1.1.3.2	To be able to accept many file formats: GeoTIFF, SHP	2 points if included	
6.1.1.5	Display functions: AIS targets;	1 point if included	
6.1.1.6	Display functions: Radar overlay;	1 point if included	
6.1.2.4	Operations functions : Will have a last line point callback function to continue the survey;	1 point if included	
6.1.2.5	Operations functions : Will have a different points programming function at the end of the operation, including : Return to starting point, go to predetermined point, stop at the end of the line;	1 point if included	

Reference of the TSOR	Point Rated Technical Evaluation Criteria's	Point rated criteria	Bid Reference Page
6.3.3	Quality control check for the bad acquisition data.	2 points if included	
6.4.3.2	Emergency stop button with the following preprogrammed automatic functions: Reverse;	1 point if included	
6.4.3.3	Emergency stop button with the following preprogrammed automatic functions: Return in remote manual mode;	1 point if included	
6.4.3.4	Emergency stop button with the following preprogrammed automatic functions: Holding position.	1 point if included	
6.4.5	Defining not allowed area.	1 point if included	
9.4.1	For the following 4 years after the end of the warranty, the Contractor will provide a software annual maintenance plan including all licenses, updates and improvements of all software used for the AHSL control systems. The cost will be included in the bid price.	5 points if included	
9.4.2	The Contractor will provide a service visit after the first season of operation of the AHSL. Where appropriate, the visit will be done at the CHS regional office in Mont-Joli and the cost will be included in the bid price.	3 points if included	

All other clauses and conditions from the bidding solicitation remain the same.