

Solicitation No. - N° de l'invitation
W8482-182977/A
Client Ref. No. - N° de réf. du client
W8482-182977

Amd. No. - N° de la modif.
File No. - N° du dossier

Buyer ID - Id de l'acheteur
8715100
CCC No./N° CCC - FMS No./N° VME

**REQUEST FOR PROPOSAL
DEMAND DE PROPOSITION
RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

Bid Receiving – PWGSC / Réception des
soumissions - TPSGC
11 Laurier St. / 11 rue Laurier
Place du Portage, Phase III
Core 0B2 / Noyau 0B2
Gatineau
Québec
K1A 0S5

Title/Titre Crane-Diver Services in Support of DNPS 2	Solicitation No – N° de l'invitation W8482-182977/A
Date of Solicitation – Date de l'invitation 16 October 2017	
Address Enquiries to – Adresser toutes questions à MAT.DMarP3BidReceiving-DOMar3ReceptiondesSoumissions@forces.gc.ca	
Telephone No. – N° de téléphone	FAX No – N° de fax N/A
Destination NDHQ- National Defence Headquarters 101 Colonel By Dr, Ottawa ON K1A 0K2	

Proposal To: National Defence Canada

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods and services listed herein and on any attached sheets at the price(s) set out therefore.

Proposition à : Défense nationale Canada

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens et services énumérés ici et sur toute feuille ci-annexée, au(x) prix indiqués.

Instructions:

Municipal taxes are not applicable. Unless otherwise specified herein all prices quoted must include all applicable Canadian customs duties, GST/HST, excise taxes and are to be delivered Delivery Duty Paid including all delivery charges to destination(s) as indicated. The amount of the Goods and Services Tax/Harmonized Sales Tax is to be shown as a separate item.

Instructions: Les taxes municipales ne s'appliquent pas. Sauf indication contraire, les prix indiqués doivent comprendre les droits de douane canadiens, la TPS/TVH et la taxe d'accise. Les biens doivent être livrés « rendu droits acquittés », tous frais de livraison compris, à la ou aux destinations indiquées. Le montant de la taxe sur les produits et services/taxe de vente harmonisée doit être indiqué séparément.

**Solicitation Closes –
L'invitation prend fin**

At – à : 2 :00 pm EDT

On - le : 31 October 2017

Delivery required - Livraison exigée See Herein	Delivery offered - Livraison proposée
Vendor Name and Address - Raison sociale et adresse du fournisseur	
Name and title of person authorized to sign on behalf of vendor (type or print) - Nom et titre de la personne autorisée à signer au nom du fournisseur (caractère d'imprimerie)	
Name/Nom _____	Title/Titre _____
Signature _____	Date _____

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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

There is no security requirement applicable to the Contract.

1.2 Statement of Work - Bid

The Contractor must perform the Work in accordance with the Statement of Work at Annex "A".

1.3 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.4 Trade Agreements

The requirement is subject to the provisions the Canadian Free Trade Agreement (CFTA).

1.5 Canadian Content

This procurement is conditionally limited to Canadian services.

Subject to the evaluation procedures contained in the bid solicitation, bidders acknowledge that only bids with a certification that the service offered is a Canadian service, as defined in clause [A3050T](#), may be considered.

Failure to provide this certification completed with the bid will result in the service offered being treated as a non-Canadian service.

The Bidder certifies that:

() the service offered is a Canadian service as defined in paragraph 2 of clause [A3050T](#).

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The [2003](#) (2017-04-27) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

Due to the nature of the bid solicitation, bids transmitted by facsimile to PWGSC will not be accepted.

2.2.1 Improvement of Requirement During Solicitation Period

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least 5 days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

2.3 Former Public Servant

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to FPSs, bidders must provide the information required below before contract award. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to comply with Canada's request and meet the requirement within the prescribed time frame will render the bid non-responsive.

Definitions

For the purposes of this clause, "former public servant" is any former member of a department as defined in the [Financial Administration Act](#), R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- a. an individual;
- b. an individual who has incorporated;
- c. a partnership made of former public servants; or
- d. a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"pension" means a pension or annual allowance paid under the [Public Service Superannuation Act](#) (PSSA), R.S., 1985, c. P-36, and any increases paid pursuant to the [Supplementary Retirement Benefits Act](#), R.S., 1985, c. S-24 as it affects the PSSA. It does not include pensions payable pursuant

to the [Canadian Forces Superannuation Act](#), R.S., 1985, c. C-17, the [Defence Services Pension Continuation Act](#), 1970, c. D-3, the [Royal Canadian Mounted Police Pension Continuation Act](#), 1970, c. R-10, and the [Royal Canadian Mounted Police Superannuation Act](#), R.S., 1985, c. R-11, the [Members of Parliament Retiring Allowances Act](#), R.S. 1985, c. M-5, and that portion of pension payable to the [Canada Pension Plan Act](#), R.S., 1985, c. C-8.

Former Public Servant in Receipt of a Pension

As per the above definitions, is the Bidder a FPS in receipt of a pension? **Yes () No ()**

If so, the Bidder must provide the following information, for all FPSs in receipt of a pension, as applicable:

- a. name of former public servant;
- b. date of termination of employment or retirement from the Public Service.

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with [Contracting Policy Notice: 2012-2](#) and the [Guidelines on the Proactive Disclosure of Contracts](#).

Work Force Adjustment Directive

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive? **Yes () No ()**

If so, the Bidder must provide the following information:

- a. name of former public servant;
- b. conditions of the lump sum payment incentive;
- c. date of termination of employment;
- d. amount of lump sum payment;
- e. rate of pay on which lump sum payment is based;
- f. period of lump sum payment including start date, end date and number of weeks;
- g. number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including Applicable Taxes.

2.4 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 5 calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.5 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

Canada requests that Bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid (4 hard copies) and 1 soft copy via USB

Section II: Financial Bid (1 hard copy)

Section III: Certifications (1 hard copy)

Section IV: Additional Information (1 hard copy)

If there is a discrepancy between the wording of the soft copy and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, Bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and

- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment. The total amount of Applicable Taxes must be shown separately.

3.1.1 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Attachment 1 to Part 3, Electronic Payment Instruments, to identify which ones are accepted.

If Attachment 1 to Part 3, Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.2 SACC Manual Clauses

Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.

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ATTACHMENT 1 to PART 3

ELECTRONIC PAYMENT INSTRUMENTS

The Bidder accepts any of the following Electronic Payment Instrument(s):

- Direct Deposit (Domestic and International)
- Electronic Data Interchange (EDI)

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

Attachment 1 to Part 4

4.1.1.2 Point Rated Technical Criteria

Attachment 1 to Part 4

4.1.2 Financial Evaluation

SACC Manual Clause [A0220T](#) (2014-06-26), Evaluation of Price

4.2 Basis of Selection

4.2.1 Basis of Selection – Mandatory Technical Criteria

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

**ATTACHMENT 1 TO PART 4
TECHNICAL EVALUATION CRITERIA**

Mandatory Requirements

MT	MANDATORY REQUIREMENTS	MET/NOT MET
MT1	<p>The Bidder has (or has arrangements in place to sub-contract) the equipment and staff required to complete the work identified in their Technical Proposal.</p> <p>The Bidder's Technical Proposal must contain a statement clearly identifying the equipment and staff required to complete the work identified in Section 4. of the SOW.</p> <p>This statement must include, but is not limited to:</p> <ul style="list-style-type: none"> 1.1 Evidence of the availability of a crane barge and boats/tugs to manoeuvre barge into position (or self-propelled barge). 1.2 Crane barge Safe Working Loads (SWL) and reach. 1.3 Identification of vessel (floating crane barge, barge and/or tug) capacity for DND (or DND contracted) personnel and/or observers. 1.4 What aspects of the job require divers. 1.5 Approved moorings that need to be placed and removed. 1.6 Reelers that need to be used for cable removal and install (if required), and 1.7 Rigging equipment. 	
MT2	<p>2.1 The Bidder must have divers on staff (or has arrangements in place to sub-contract divers) required to safely complete the work identified in their Technical Proposal.</p> <p>2.2 The Bidder's Technical Proposal must contain a statement identifying how many divers will be required to complete the work identified in Section 4. of the SOW.</p> <p>2.3 The Bidder's Technical Proposal must list the names of divers to be employed on this work and identifies their diver certification details.</p>	
MT3	<p>3.1 The Bidder must have the capability/availability to complete the work in accordance with the schedule identified in Appendix A.</p> <p>3.2 The Bidder's Technical Proposal must contain a statement confirming the project schedule can be met.</p>	
MT4	<p>4.1 The Bidder must have knowledge of and experience obtaining Safe Diving Plan approval under the Nova Scotia Occupational Diving Regulations.</p> <p>4.2 The Bidder's Technical Proposal must identify past projects for which they have obtained Safe Diving Plan approval.</p>	
MT5	<p>5.1 The Bidder must have previous experience working with sub-sea range equipment deployments.</p> <p>5.2 The Bidder must identify and describe at least one (1) project of a similar</p>	

	nature they have previously completed.	
MT6	6.1 The Bidder (and sub-Contractor, if applicable) must have a minimum \$2 million liability insurance coverage. **Technical Proposal must contain a certification from insurance company confirming the Contractor (and possible sub-contractor's) liability coverage.	

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real procurement agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

5.2.3 Additional Certifications Precedent to Contract Award

5.2.3.1 Status and Availability of Resources

SACC Manual clause [A3005T](#) (2010-08-16) Status and Availability of Resources

5.2.3.2 Education and Experience

SACC Manual clause [A3010T](#) (2010-08-16) Education and Experience

5.3 Commercial General Liability Insurance

1. The Contractor must obtain Commercial General Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$2,000,000 per accident or occurrence and in the annual aggregate.
2. The Commercial General Liability policy must include the following:
 - a. Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada should read as follows: Canada, as represented by Public Works and Government Services Canada.
 - b. Bodily Injury and Property Damage to third parties arising out of the operations of the Contractor.
 - c. Products and Completed Operations: Coverage for bodily injury or property damage arising out of goods or products manufactured, sold, handled, or distributed by the Contractor and/or arising out of operations that have been completed by the Contractor.
 - d. Personal Injury: While not limited to, the coverage must include Violation of Privacy, Libel and Slander, False Arrest, Detention or Imprisonment and Defamation of Character.
 - e. Cross Liability/Separation of Insureds: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.
 - f. Blanket Contractual Liability: The policy must, on a blanket basis or by specific reference to the Contract, extend to assumed liabilities with respect to contractual provisions.
 - g. Employees and, if applicable, Volunteers must be included as Additional Insured.
 - h. Employers' Liability (or confirmation that all employees are covered by Worker's compensation (WSIB) or similar program)
 - i. Broad Form Property Damage including Completed Operations: Expands the Property Damage coverage to include certain losses that would otherwise be excluded by the standard care, custody or control exclusion found in a standard policy.
 - j. Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of policy cancellation.
 - k. If the policy is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.
 - l. Owners' or Contractors' Protective Liability: Covers the damages that the Contractor becomes legally obligated to pay arising out of the operations of a subcontractor.
 - q. Sudden and Accidental Pollution Liability (minimum 120 hours): To protect the Contractor for liabilities arising from damages caused by accidental pollution incidents.

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- r. Litigation Rights: Pursuant to subsection 5(d) of the *Department of Justice Act*, S.C. 1993, c. J-2, s.1, if a suit is instituted for or against Canada which the Insurer would, but for this clause, have the right to pursue or defend on behalf of Canada as an Additional Named Insured under the insurance policy, the Insurer must promptly contact the Attorney General of Canada to agree on the legal strategies by sending a letter, by registered mail or by courier, with an acknowledgement of receipt.

For the province of Quebec, send to:

*Director Business Law Directorate,
Quebec Regional Office (Ottawa),
Department of Justice,
284 Wellington Street, Room SAT-6042,
Ottawa, Ontario, K1A 0H8*

For other provinces and territories, send to:

*Senior General Counsel,
Civil Litigation Section,
Department of Justice
234 Wellington Street, East Tower
Ottawa, Ontario K1A 0H8*

A copy of the letter must be sent to the Contracting Authority. Canada reserves the right to co-defend any action brought against Canada. All expenses incurred by Canada to co-defend such actions will be at Canada's expense. If Canada decides to co-defend any action brought against it, and Canada does not agree to a proposed settlement agreed to by the Contractor's insurer and the plaintiff(s) that would result in the settlement or dismissal of the action against Canada, then Canada will be responsible to the Contractor's insurer for any difference between the proposed settlement amount and the amount finally awarded or paid to the plaintiffs (inclusive of costs and interest) on behalf of Canada.

PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Security Requirements

6.1.1 There is no security requirement applicable to the Contract.

6.2 Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at Annex A and the Contractor's technical bid entitled _____, dated _____.

6.3 Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

6.3.1 General Conditions

SACC *Manual* clause 2010B (2016-04-04) General Conditions - Professional Services (Medium Complexity) apply to and form part of the Contract, with the following modifications:

a. Definition of Minister is modified as follows:

"Canada", "Crown", "Her Majesty" or "the Government" means Her Majesty the Queen in right of Canada as represented by the Minister of National Defence and any other person duly authorized to act on behalf of that minister or, if applicable, an appropriate minister to whom the Minister of National Defence has delegated his or her powers, duties or functions and any other person duly authorized to act on behalf of that minister.

6.4 Term of Contract

The period of the Contract is from date of Contract to 30 November 2018.

6.4.1 Delivery Points

Delivery of the requirement will be made to delivery point(s) specified at Annex "A" of the Contract.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name:

Title:
Organization:
Address:
Telephone:
E-mail:

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.5.2 Project Authority

The Technical Authority for the Contract is:

Name:
Title:
Organization:
Address:
Telephone:
E-mail:

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Contractor's Representative

Name: _____
Title: _____
Organization: _____
Address: _____
Telephone: ____-____-____
Facsimile: ____-____-____
E-mail: _____

6.6 Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a [Public Service Superannuation Act](#) (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with [Contracting Policy Notice: 2012-2](#) of the Treasury Board Secretariat of Canada.

6.7 Payment

6.7.1 Basis of Payment

6.7.2 Limitation of Expenditure

The Contractor will be paid for its costs reasonably and properly incurred in the performance of the Work in accordance with the Basis of payment in Annex B, to a limitation of expenditure of \$_____ (insert the amount at contract award). Customs duties are included and Applicable Taxes are extra.

6.7.3 Multiple Payments

SACC Manual Clause [H1001C](#) Multiple Payments

6.7.4 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Direct Deposit (Domestic and International);
- b. Electronic Data Interchange (EDI);

6.8 Invoicing Instructions

Canada will make milestone payments in accordance with the Schedule of Milestones detailed in the Contract and the payment provisions of the Contract if:

- a. an accurate and complete claim for payment using [PWGSC-TPSGC 1111](#), Claim for Progress Payment, and any other document required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- b. all the certificates appearing on form [PWGSC-TPSGC 1111](#) have been signed by the respective authorized representatives;
- c. all work associated with the milestone and as applicable any deliverable required has been completed and accepted by Canada.

6.9 Certifications and Additional Information

6.9.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

6.10 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario, Canada.

6.11 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions [2010B](#) (2016-04-04) General Conditions - Professional Services (Medium Complexity)
- (c) Annex A, Statement of Work
- (d) Annex B, Basis of Payment
- (e) the Contractor's bid dated _____

6.12 Defence Contract

SACC Manual clause [A9006C](#) (2012-07-16) Defence Contract

6.13 Canadian Forces Site Regulations

SACC Manual clause [A9062C](#) (2011-05-16), Canadian Forces Site Regulations

ANNEX A: STATEMENT OF WORK

ANNEX A – STATEMENT OF WORK Crane & Diver Barge Support for DNPS 2

1. BACKGROUND

The Directorate of Naval Platform Systems (DNPS) 2-5 provides management for various range refurbishment projects. This year's plan includes replacement of the sensor array for the Wright's Cove North-South (N-S) degaussing range. This Statement of Work (SoW), provides a brief background to the work at hand and details various work items to be completed relating to Crane Barge Support for the install/replacement of the sensor array.

1.1 Department of National Defence (DND) East Coast N-S Degaussing Range

DND operates a N-S degaussing range at Wright's Cove in the Bedford Basin near Halifax, Nova Scotia. This range consists of an underwater array of sensors approximately 200m offshore at about 20m water depth. Figure 1.1-1 shows the array location and Table 1.1-1 lists the array components. Figure 1.1-2 shows the sensor array block diagram.

Figure 1.1-1 : Wright's Cove Array Location

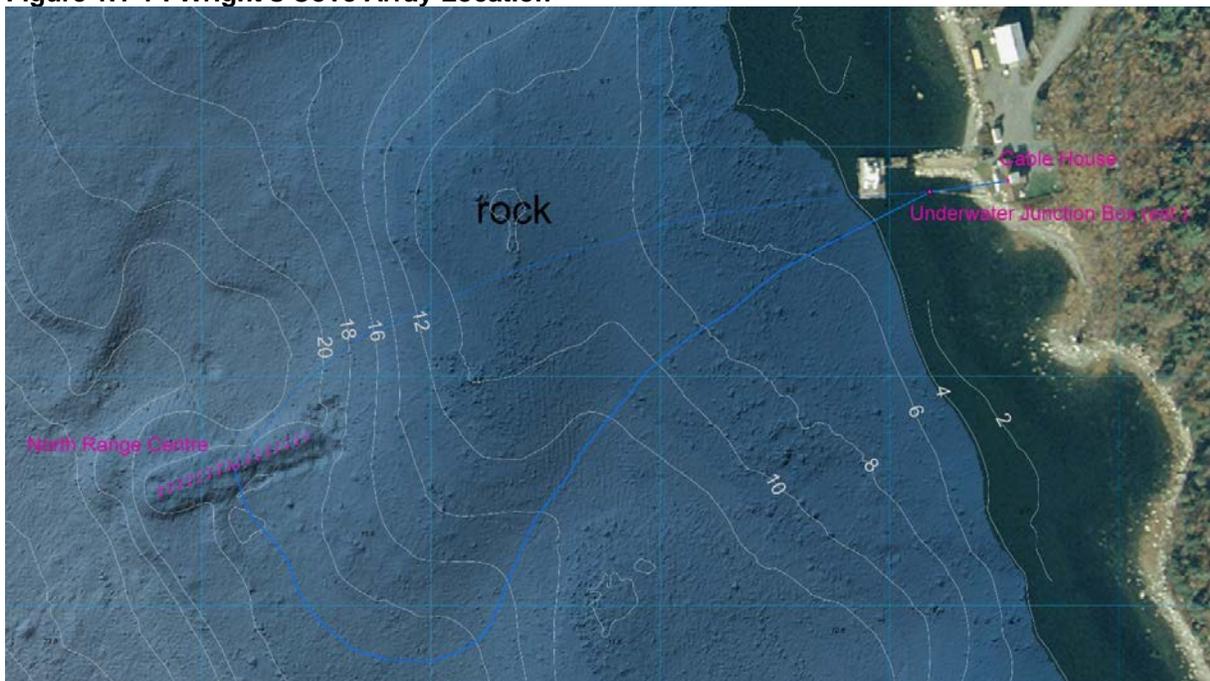
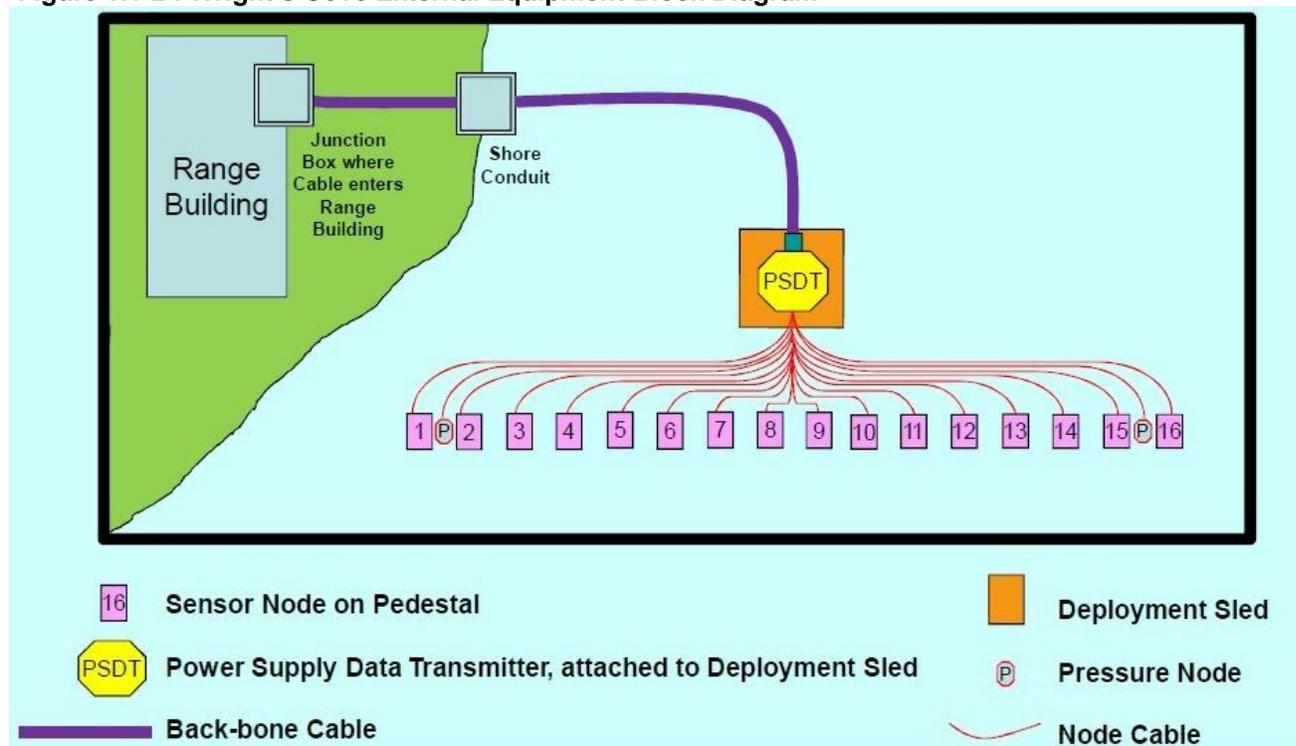


Table 1.1-1 – Wrights Cove External Equipment

Qty	NSC	NIIN	Item Name
1	5895	20-008-8915	INTERFACE UNIT COMMUNICATION EQUIPMENT (Dry interface)
2	6150	20-008-6119	CABLE ASSEMBLY SPECIAL PURPOSE ELECTRICAL (Pressure sensor cable, 120m)
8	6150	20-008-6123	CABLE ASSEMBLY SPECIAL PURPOSE ELECTRICAL (Sensor node cable, 120m)
8	6150	20-008-6124	CABLE ASSEMBLY SPECIAL PURPOSE ELECTRICAL (Sensor node cable, 80m)
1	6150	20-009-5024	CABLE ASSEMBLY SPECIAL PURPOSE ELECTRICAL (Wright's Backbone)
1	6625	20-007-7151	POWER SUPPLY DATA TRANSMITTER (Power and Data harness - wet end)
16	6625	20-A0G-3840	DIGITAL MAGNETIC RANGE SENSOR NODE (Sensor)
2	6685	01-631-1545	TRANSMITTER PRESSURE (one at each end of the array)
17	5930	20-0093182	SWITCH, PROXIMITY (Magnetic Sensor Mounting Assembly)
3	5930	20-A0M6963	RANGE PRESSURE SENSOR MOUNTING ASSEMBLY

Figure 1.1-2 : Wright's Cove External Equipment Block Diagram



1.3 Current Refurbishment Project

All components (see Table 1.1-1) of the new external cabling and sensor system have been designed and procured and currently sit in storage at Wright's Cove awaiting installation. The current refurbishment project is to execute the install. This will involve a number of steps as follows:

- a) 1st crane barge event: Removal of existing underwater array (sensors and cables). Note that this event may not require a crane.

-
- b) Update DND equipment components. Inspection of equipment at OEM facility to insure all is in working order. Update to firmware in electronic components.
 - c) 1st Dry assembly and testing of all components forming the external system. Check that the assembled individual components operate as a complete system.
 - d) Diver inspection of sub-sea pedestals, removal of old search coils, enclosures and cabling. Cleaning of the pedestals and preparing pedestal tables as required.
 - e) 2nd Dry assembly and testing at Wright's Cove facility prior to under-sea deployment. Preparation of Wright's Cove facility for dry end installation.
 - f) 2nd crane barge event. Removal of the old backbone cable.
 - g) 3rd crane barge event. Main backbone cable will be continuous from range building out to the sub-sea deployment Sled position. Cable will be laid starting near the the range building, once the cable has been pulled through the shore conduit, the barge will lay cable out to the deployment Sled position. The deployment Sled, complete with Power Supply and Data Transmitter (PSDT), 16 digital magnetometers and two pressure sensors, will be lowered to a stable predefined position.
 - h) Backbone cable to PSDT connection made by OEM staff prior to lowering the Sled.
 - i) Sensors to be installed on appropriate pedestals by divers.
 - j) Hookup of dry backbone cable end to receiving equipment and power supply in the range building. Initial power-on and system checks.
 - k) Perform system functionality tests (commissioning).

Currently, system commissioning is planned for November-December 2017.

2. WORK REQUIREMENTS

The Contractor must present the following:

2.1 A detailed plan on how the work identified in Sections 2.3 will be completed. The Contractor must determine the logistics of the work including but not limited to:

- a. What aspects of the job require divers,
- b. Approved moorings that need to be placed and removed,
- c. Reelers that need to be used for cable removal and install (if required), and
- d. Rigging equipment.

2.2 Evidence of the availability of a crane barge and boats/tugs to manoeuvre barge into position (or self propelled barge). This shall include (i) statements regarding availability of personnel to independently operate crane, barge and/or boats, and (ii) statement regarding Safe Working Load (SWL) limits of crane.

2.3 Availability of staff or sub-contract divers.

2.4 Safe Diving Plan as per Nova Scotia Occupational Diving Regulations.

2.5 Five million dollar (\$2M) liability coverage.

3. SPECIAL NOTES

The Contractor is advised that:

3.1 This RFP is seeking a "turnkey" contract. That is, the Contractor will be responsible for installation of the sub-sea sensor array system. Unless specifically noted otherwise, all equipment and personnel required to complete the work described in Section 2.3 must be provided by the Contractor. This includes, crane barges, tugs and boats, cable reelers, mooring clumps, anchors etc.

3.2 The installation will involve DND staff and sensor array manufacturer (Omnitech Limited) staff. DND Range staff will serve as on-site installation directors, Omnitech staff will complete assembly operations. The Contractor should be aware that DND and Omnitech staff will require access to barges and boats during the install.

3.3 Site visits to Wright's Cove may be requested to view the site and related equipment (e.g. conduit, cables, Sled etc.).

3.4 The following drawings and data will be supplied to the Contractor:

- (i) Drawing HSOH4025, map of the range and cable layout from Hydrographic Services.
- (ii) Spreadsheet of waypoints for new backbone cable layout and window (calendar dates) for the sled install.

3.5 The jetty at the Bedford Degaussing Range is condemned and unsafe for use.

3.6 The existing backbone cable is routed north of the range. The new backbone cable will be routed south of the range.

3.7 The range site has both East-West (E-W) and North-South (N-S) sensor arrays. Great care must be taken by the Contractor to ensure the E-W system is not damaged by their N-S deployment activities.

4. WORK DESCRIPTION

4.1 Task 1 – Project Planning Meeting, Detailed Plan & Mobilization

The Contractor must arrange project meetings with DND Range staff at Wright's Cove as required. As a minimum, this will include one formal meeting to present the Contractors Detailed Install Plan to complete Task 2 thru 6. The order in which Tasks are presented here is not intended to be a step by step dictation to the Contractor. The Contractor must use their experience to optimize the order in their Detailed Install Plan.

The Detailed Install Plan must be approved by DND before deployment work begins. The final version of the plan delivered to DND must include copies of all required documentation (i.e. Safe Diving Plan).

Once the Detailed Install Plan has been approved, the Contractor must mobilize all equipment and staff required to perform the install on the agreed upon dates (tentative start date of mid/late November 2017). If required, DND can deliver the new backbone cable and Sled (with power supply and data transmitter) to the Contractor's site.

4.2 Task 2 – Removal of Old Sensors and Backbone Cable

The Contractor must remove old sensors from the existing sub-sea array.

The Contractor must retrieve the existing backbone cable. The old backbone cable can be retrieved starting from the dry end, which is located at the range building. The water is very shallow in this area. The cable is roughly 500m in length. The water depth is 0 to 3m at the conduit and 20 to 25m at the range. The Contractor must dispose of the old backbone cable.

4.3 Task 3 – Subsea Pedestal Preparation

The Contractor must clean growth off the existing sub-sea pedestals. Once cleaned, the Contractor must level pedestal mounting tables and drill holes. DND will supply a template for the new sensor brackets.

4.4 Task 4 – Deploy New Backbone Cable

The Contractor must deploy the new backbone cable starting at the dry end. The Contractor must ensure that there is enough cable to pull through the conduit and into the range building and pull the cable through the conduit without putting significant strain on the unarmored part of the cable. The unarmored cable is to be covered with a protective sleeving supplied by the Contractor. The protective sleeving is to be approved by DND Range staff (DND Range staff are currently evaluating the suitability of clear vinyl tubing). The main tension must come from the cable grip on the armored section of the cable. DND staff will be on site for consulting purposes and to confirm that enough cable has cleared the conduit.

The Contractor must deploy the new backbone cable along the route supplied by DND. The route will consist of a series of waypoints identified by DND. If the backbone must be dropped into the water prior to connection to the Range Sensors, the cable must be marked for easy retrieval by divers.

Any cable damage due to the install will be the responsibility of the contractor. The cable must be replaced if it is not able to be repaired.

4.5 Task 5 – Sled Deployment

The Contractor must deploy the sub-sea Sled (with power supply + data transmitter, PSDT unit) within the geographical window (calendar dates) identified by DND. The Sled is loaded with all underwater range sensors and interconnecting cables. The Contractor must:

- a) Retrieve the "Range end" of the backbone cable to the crane barge (if it had to be dropped as per Task 4).
- b) Provide access to Omnitech staff to clean, dry and connect cable end to the PSDT unit as per the drawing supplied by DND.
- c) Verify the cable strain relief is correct. Staff will be on site to confirm adequacy of strain relief.
- d) Lower the Sled to the sea bed taking care to ensure that equipment stays attached to the Sled and the backbone cable is not damaged. The approximate weight of the Sled and equipment is 4,500-5,000lbs and the water depth is between 20 and 25m. Divers must be in the water as the Sled is lowered to prevent it from spinning.
- e) Ensure the Sled is within the allowable geographical window and that it is level on the bottom. Ensure that the backbone cable strain relief remains intact and that any excess cable is lying flat on the sea bed, off to the side of the Sled.

4.6 Task 6 – New Sensor Install

The Contractor must install all 18 sensors, pre-assembled into mounting bracket assemblies (16 magnetic, 2 pressure) on their correct pedestal locations. Excess node cable is to be coiled, tie-wrapped and secured to phosphor bronze levelling bolts of the corresponding node pedestal. All phosphor bronze levelling bolts that have securing straps attached must be protected with a polyurethane sleeve supplied by DND.

The Contractor must deliver to DND a video showing all installed sensors, cable connections, cable strain reliefs and breakaway section anchor installations.

4.7 Task 7 – Project Completion Debrief and Demobilization

The Contractor must arrange a debrief meeting with DND Range Personnel from Wright Cove. The Contractor must present a copy of the video noted in Task 6 on DVD ROM and a brief note identifying any problems encountered or lessons learned that would be useful information on future deployments.

The Contractor must demobilize their staff and equipment.

APPENDIX 1 to Annex A – TECHNICAL DATA

1. NEW SYSTEM COMPONENTS

The new system been designed and evaluated by DNPS 2-5 and DRDC in association with Omnitech Electronics Inc. Figure 1-1 shows the external system components block diagram, Table 1-1 identifies key components.

Figure 1-1 : Wright's Cove External Equipment Block Diagram (New System)

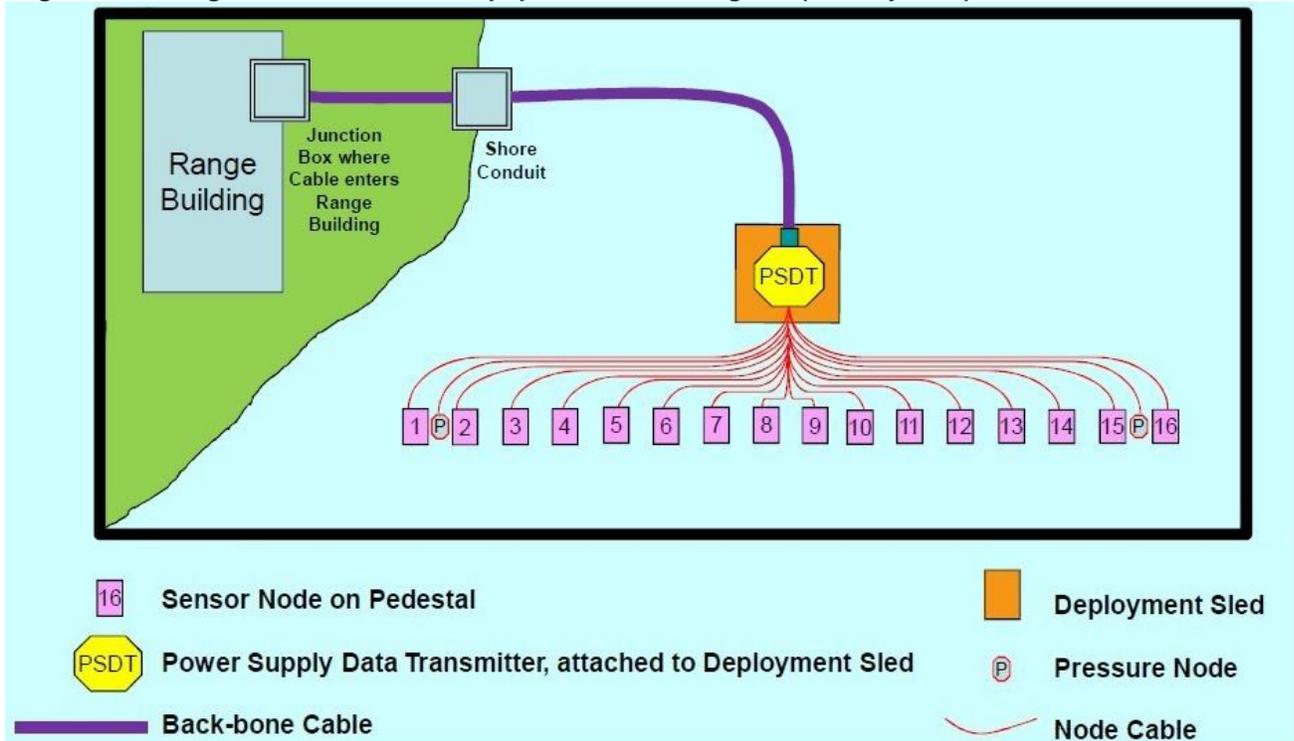


Table 1-1 : Wrights Cove External Equipment (New System)

Qty	NSC	NIIN	Item Name
1	5895	20-008-8915	INTERFACE UNIT COMMUNICATION EQUIPMENT (Dry interface)
2	6150	20-008-6119	CABLE ASSEMBLY SPECIAL PURPOSE ELECTRICAL (Pressure sensor cable, 120m)
8	6150	20-008-6123	CABLE ASSEMBLY SPECIAL PURPOSE ELECTRICAL (Sensor node cable, 120m)
8	6150	20-008-6124	CABLE ASSEMBLY SPECIAL PURPOSE ELECTRICAL (Sensor node cable, 80m)
1	6150	20-009-5024	CABLE ASSEMBLY SPECIAL PURPOSE ELECTRICAL (Wright's Backbone)
1	6625	20-007-7151	POWER SUPPLY DATA TRANSMITTER (Power and Data harness - wet end)
16	6625	20-A0G-3840	DIGITAL MAGNETIC RANGE SENSOR NODE (Sensor)
2	6685	01-631-1545	TRANSMITTER PRESSURE (one at each end of the array)
17	5930	20-0093182	SWITCH, PROXIMITY (Magnetic Sensor Mounting Assembly)
3	5930	20-A0M6963	RANGE PRESSURE SENSOR MOUNTING ASSEMBLY

1.1 Backbone Cable

The sheltered backbone cable is currently spooled onto a 140cm diameter x 90cm wide wooden spool that weights ~630kg.

Cable length is ~580m.

Cable diameter is ~28.1mm (armoured section) and 17.9mm (non-armoured section).

Weight in air is ~570kg, weight in water is ~190kg.

SEE OMNITECH DRAWING NO. 2389-066-00 Rev B.

1.2 Magnetic Sensors (Magnetometers), Brackets & Cable

Magnetic sensors (magnetometers) are ~38cm long and 80.5mm diameter.

Weight in air 1.77kg, weight in seawater 0.20kg.

SEE OMNITECH DRAWING NO. 2389-001-01 Rev C-0

SEE OMNITECH DRAWING NO. 2456-010-000 Rev A

Brackets for magnetometers (16 of) are weight in air = ~13.5 kg, weight in water = ~4 kg each.

These brackets will be attached to the legacy sensor "box" (see Figure 2.3-1) which sits on the subsea pedestal leveling plate (see Figure 2.3-2).

SEE OMNITECH DRAWING NO. 2456-000-00 Rev X+

There are two type of magnetometer cables:

- (i) Quantity = 8 for pedestals 1-4 and 13-16.
120m length, 9.7mm diameter, weight in air = ~22kg, weight in sea water ~12.8kg
- (ii) Quantity = 8 for pedestals 5-12.
80m length, 9.7mm diameter, weight in air = ~15kg, weight in sea water ~8.6kg

Figure 1.2-1 below shows coiled 120m magnetometer cable. Size when coiled is ~46cm diameter and 15cm height.

Figure 1.2-1 : Coiled 120 magnetometer cable



1.3 Pressure Sensors, Brackets & Cable

Pressure sensors will be fixed to pedestal 1 and 16.
No data on pressure sensors available yet. These are small sensors.
SEE OMNITECH DRAWING NO. 2456-011-00 Rev A (Sheet 2 of 2).

Brackets for pressure sensors (2 of) are weight in air = ~8.0kg, weight in water = ~2 kg
These brackets will be attached to the legacy sensor "box" (see Figure 2.3-1) which sits on the subsea pedestal leveling plate (see Figure 2.3-2).
SEE OMNITECH DRAWING NO. 2456-000-00 Rev X+

Pressure sensor cables (2 of) are 120m length, 9.7mm diameter, weight in air = ~22kg, weight in sea water ~12.8kg.

1.4 Deployment Sled & Components

Empty sled weight = 2700lbs.
Sled will be pre-loaded with equipment, approximate weight loaded <= 5000lbs.
Figure 1.4-1 show the sled photograph.

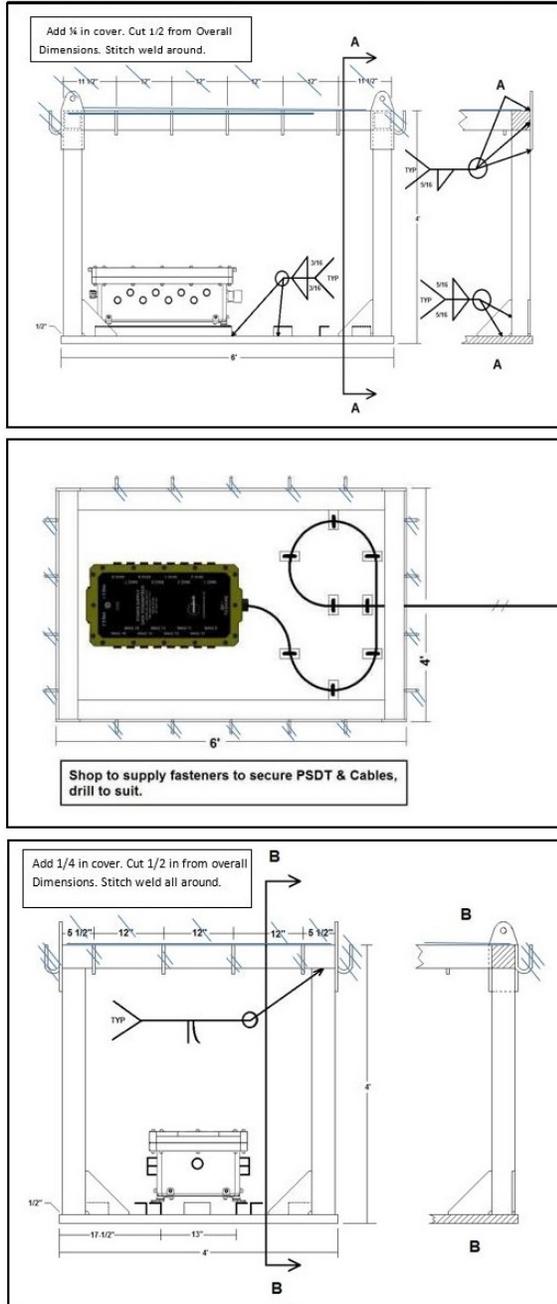
The PSDT (Power Supply Data Transmitter) is ~84.5cm long x 44.7cm wide x 31.5cm high
Weight in air ~80kg, weight in salt water ~ -10kg (positively buoyant)
SEE OMNITECH DRAWING NO. 2389-002-00 Rev 2

Figure 1.4-2 shows a sketch of the of sled with the PSDT in position.

Figure 1.4-1 : Deployment Sled (empty)



Figure 1.4-2 : Deployment Sled With PSDT



2. OLD SYSTEM COMPONENTS

The old system consists of a backbone cable (all copper conductor) with 16 breakout points. Each of these consists of three pigtails feeding the sensors. In addition there is a "spare" breakout point consisting of four pigtails. Figure 2-1 shows the external system components block diagram. Figure 2-2 shows a complete system (backbone cable, pigtails and sensor coils) very similar to that to be removed from Wright's Cove.

Figure 2-1 : Wright's Cove External Equipment Block Diagram (Old System)

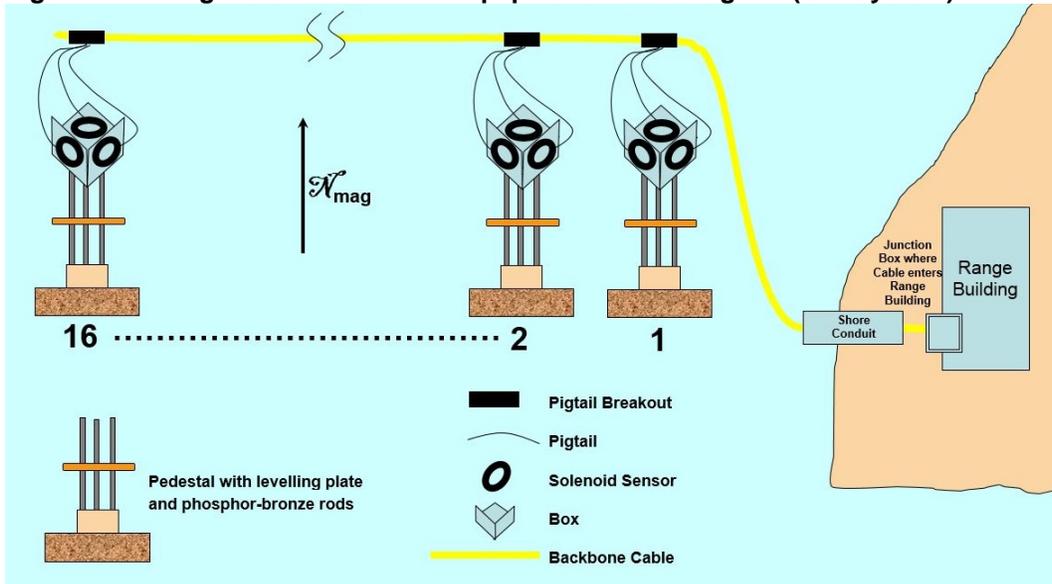


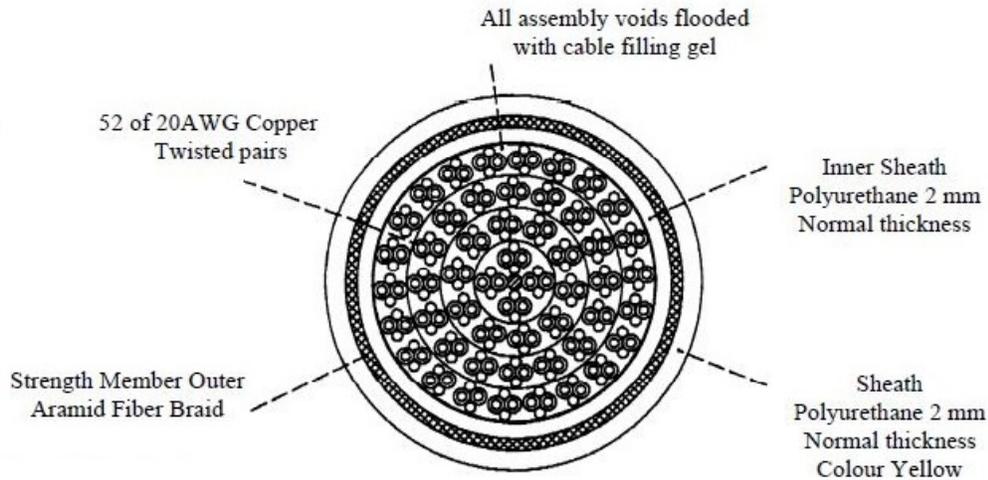
Figure 2-2 : Example Legacy System



2.1 Backbone Cable

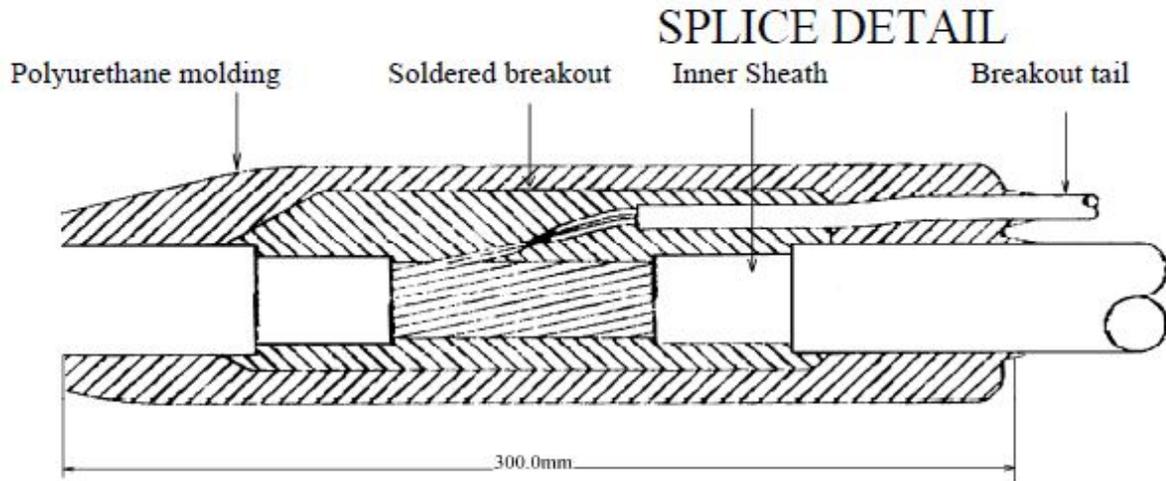
Existing backbone cable is ~375m length with a diameter of ~40mm.
Weight of 375m cable estimated at 2,015kg in air and 658kg in sea water.
Note these weight numbers do not account for any sea growth.
Figure 2.1-1 below shows backbone section.
Figure 2.1-2 below shows backbone cable and pigtail breakout (splice).

Figure 2.1-1 : Backbone Cable Section (viewed from dry end)



Mechanical Properties			
Finished Diameter	Breaking Load	Bending Radius	
35 - 40 mm	70 KN	Static	Dynamic
nominal		280 mm	410 mm

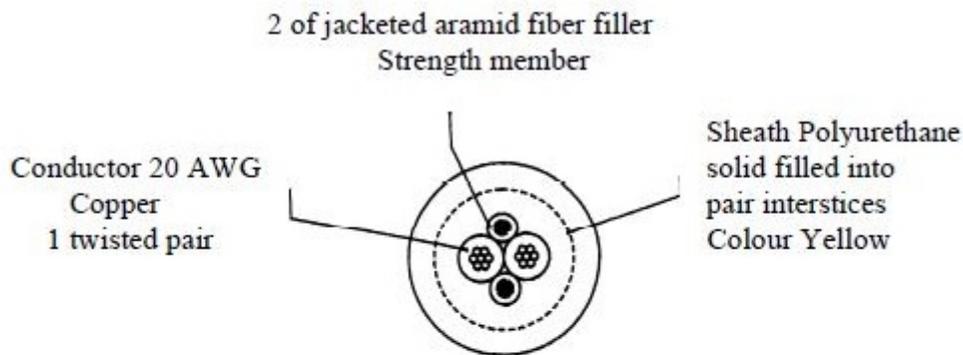
Figure 2.1-2 : Backbone Cable and Pigtail Breakout (Splice)



2.2 Pigtail Cables

Pigtails cables (quantity = 52) are 68m in length with a diameter of ~8mm. The cables are routed to each of 16 pedestals (one for each of x, y and z orientation coil). There are also four spare pigtail cables spliced to the backbone cable. Figure 2.2-1 shows pigtail cable details.

Figure 2.2-1: Pigtail Cable Detail



Mechanical Properties		
Finished Diameter	Bending Radius	
	Static	Dynamic
7 - 8 mm	50 mm	70 mm
Nominal		

2.3 Sensor Coils

The “sensor” atop each of 16 pedestals consists of three “coils” (solenoid) in a “box” (housing) as shown in Figure 2.3-1 Coil data is as follows:

Weight ~ 63lbs
Outer diameter = 21inch
Inner diameter = 15inch
Thickness = 2inch

The old coils and straps will be removed, the box shall remain atop leveling plates on the subsea pedestals. Figure 2.3-2 shows a picture of the pedestal levelling plate arrangement. The new sensors will be attached via brackets to the legacy box (see Section 1.2 & 1.3).

Figure 2.3-1 : Legacy Sensor



Figure 2.3-2 : Pedestal Levelling Plate



ANNEX B: BASIS OF PAYMENT

1. Limitation of Expenditure

The Contractor will be paid for its costs reasonably and properly incurred in the performance of the Work in accordance with the Basis of payment, to a limitation of expenditure of \$_____ (insert the amount at contract award). Customs duties are included and Applicable Taxes are extra.

Bidders may propose a payment milestone schedule based on the scope of work outlined in Annex A: Statement of Work. Table 1 is for example purposes only. Payments will result from the completion of each milestone.

Table 1:

Milestone #1: TBD – to be proposed by Bidder	Firm-fixed Fee for Milestone #1: \$XXX
Milestone #2: TBD – to be proposed by Bidder	Firm-fixed Fee for Milestone #1: \$XXX
Milestone #3: TBD – to be proposed by Bidder	Firm-fixed Fee for Milestone #1: \$XXX

Solicitation No. - N° de l'invitation

W8482-182977/A

Client Ref. No. - N° de réf. du client

W8482-182977

Amd. No. - N° de la modif.

File No. - N° du dossier

Buyer ID - Id de l'acheteur

8715100

CCC No./N° CCC - FMS No./N° VME

ANNEX C: ELECTRONIC PAYMENT INSTRUMENTS

The Bidder accepts any of the following Electronic Payment Instrument(s):

- Direct Deposit (Domestic and International)
- Electronic Data Interchange (EDI)