

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
 Bid Receiving Public Works & Government
 Services Canada/Réception des souissions Travaux
 publics et Services gouvernementaux Canada
 1713 Bedford Row
 Halifax, N.S./Halifax,(N.E.)
 B3J 1T3
 Halifax
 Bid Fax: (902) 496-5016

Request For a Standing Offer
Demande d'offre à commandes

Regional Individual Standing Offer (RISO)
 Offre à commandes individuelle régionale (OCIR)

Canada, as represented by the Minister of Public Works and
 Government Services Canada, hereby requests a Standing Offer
 on behalf of the Identified Users herein.

Le Canada, représenté par le ministre des Travaux Publics et
 Services Gouvernementaux Canada, autorise par la présente,
 une offre à commandes au nom des utilisateurs identifiés
 énumérés ci-après.

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
 Atlantic Region Acquisitions/Région de l'Atlantique
 Acquisitions
 1713 Bedford Row
 Halifax, N.S./Halifax, (N.E.)
 B3J 3C9
 Halifax
 Nova Scot

Title - Sujet RISO - Boiler Repairs & Maintenance	
Solicitation No. - N° de l'invitation W010C-180098/A	Date 2017-10-17
Client Reference No. - N° de référence du client W010C-18-0098	GETS Ref. No. - N° de réf. de SEAG PW-\$PWA-220-5666
File No. - N° de dossier PWA-7-78071 (220)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-11-27	
Time Zone Fuseau horaire Atlantic Standard Time AST	
Delivery Required - Livraison exigée See Herein	
Address Enquiries to: - Adresser toutes questions à: Dunphy (PWA), Nancy	Buyer Id - Id de l'acheteur pwa220
Telephone No. - N° de téléphone (902)403-2191 ()	FAX No. - N° de FAX (902)496-5016
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF NATIONAL DEFENCE WILLOW PARK BLDG 7 STN FORCES P.O.BOX 99000 HALIFAX NOVA SCOTIA B3K5X5 Canada	
Security - Sécurité This request for a Standing Offer includes provisions for security. Cette Demande d'offre à commandes comprend des dispositions en matière de sécurité.	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
<div></div>	
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



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Unit Price/Prix unitaire FOB/FAM		Delivery Req. Livraison Req.	Del. Offered Liv. offerte
						Destination	Plant/Usine		
1	RISO - Boiler Repairs & Maintenance	W010C	W010C	1	LOT	\$	XXXXXXXXXX	See Herein	

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THIS DOCUMENT CONTAINS A SECURITY REQUIREMENT

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PART 1 - GENERAL INFORMATION

1.1 Introduction

The Request for Standing Offers (RFSO) is divided into seven parts plus attachments and annexes, as follows:

- | | |
|--------|---|
| Part 1 | General Information: provides a general description of the requirement; |
| Part 2 | Offeror Instructions: provides the instructions applicable to the clauses and conditions of the RFSO; |
| Part 3 | Offer Preparation Instructions: provides offerors with instructions on how to prepare their offer to address the evaluation criteria specified; |
| Part 4 | Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria which must be addressed in the offer, and the basis of selection; |
| Part 5 | Certifications and Additional Information: includes the certifications and additional information to be provided; |
| Part 6 | Security, Financial and Insurance Requirements: includes specific requirements that must be addressed by offerors; and |
| Part 7 | 7A, Standing Offer, and 7B, Resulting Contract Clauses: |
| | 7A, includes the Standing Offer containing the offer from the Offeror and the applicable clauses and conditions; |
| | 7B, includes the clauses and conditions which will apply to any contract resulting from a call-up made pursuant to the Standing Offer. |

The Annexes include the Statement of Work, the Basis of Payment, the Electronic Payment Instruments, the Federal Contractors Program for Employment Equity - Certification and any other annexes

1.2 Summary

The Department of National Defence has a requirement for the furnishings all labour, material, tools, equipment and transportation required for welding emergency and operating repairs to boilers, plant equipment and related distribution systems as specified herein.

Work under this Standing Offer comprises but not limited to the following:

Perform various types of repairs to boilers and plant systems:

- high and low pressure boilers and distribution systems;
- high temperature hot water systems and boilers;
- high and low pressure compressed air plants and systems;

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Systems such as:

- pressure vessels of various types and sizes; and
- all associated mechanical support systems for the boilers and plant systems.

Perform "on site" repairs as specified in Section 23 05 01 General Mechanical Requirements.

Areas covered under this Standing Offer include but not limited to the following locations:

- Stadacona - Halifax, NS;
- Windsor Park - Halifax, NS;
- HMC Dockyard - Halifax, NS;
- Dockyard Annex (NAD) - Dartmouth, NS;
- 12 Wing Shearwater - Eastern Passage, NS; et
- CFAD Bedford - Bedford, NS.

This Standing Offer Agreement is for a period of one year with two additional one-year options.

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), and the Canadian Free Trade Agreement (CFTA).

1.3 Security Requirements

There are security requirements associated with the requirement of the Standing Offer. For additional information, see Part 6 - Security, Financial and Insurance Requirements, and Part 7 - Standing Offer and Resulting Contract Clauses. For more information on personnel and organization security screening or security clauses, offerors should refer to the [Contract Security Program](http://www.tpsgc-pwgsc.gc.ca/esc-src/introduction-eng.html) of Public Works and Government Services Canada (<http://www.tpsgc-pwgsc.gc.ca/esc-src/introduction-eng.html>) website.

1.4 Debriefings

Offerors may request a debriefing on the results of the request for standing offers process. Offerors should make the request to the Standing Offer Authority within 15 working days of receipt of the results of the request for standing offers process. The debriefing may be in writing, by telephone or in person.

PART 2 - OFFEROR INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the Request for Standing Offers (RFSO) 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.

Offerors who submit an offer agree to be bound by the instructions, clauses and conditions of the RFSO and accept the clauses and conditions of the Standing Offer and resulting contract(s).

The [2006 \(2017-04-27\)](#) Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the RFSO.

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Subsection 5.4 of [2006](#), Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days

Insert: 120 days

2.2 Submission of Offers

Offers 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 Request for Standing Offers.

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 FPS, offerors must provide the information required below before the issuance of a standing offer. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of offers is completed, Canada will inform the Offeror 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 offer 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.

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Former Public Servant in Receipt of a Pension

As per the above definitions, is the Offeror a FPS in receipt of a pension? **YES () NO ()**

If so, the Offeror must provide the following information, for all FPS 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, Offerors agree that the successful Offeror'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 Offeror a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive? **YES () NO ()**

If so, the Offeror 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 - Request for Standing Offers

All enquiries must be submitted in writing to the Standing Offer Authority no later than seven (7) calendar days before the Request for Standing Offers (RFSO) closing date. Enquiries received after that time may not be answered.

Offerors should reference as accurately as possible the numbered item of the RFSO to which the enquiry relates. Care should be taken by offerors 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

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except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that offerors do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all offerors. Enquiries not submitted in a form that can be distributed to all offerors may not be answered by Canada.

2.5 Applicable Laws

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in Nova Scotia.

Offerors may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their offer, 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 offerors.

PART 3 - OFFER PREPARATION INSTRUCTIONS

3.1 Offer Preparation Instructions

Canada requests that offerors provide their offer in separately bound sections as follows:

Section I: Technical Offer (1 hard copy)

Section II: Financial Offer (1 hard copy)

Section III: Certifications (1 hard copy)

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

Canada requests that offerors follow the format instructions described below in the preparation of their offer.

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to that of the Request for Standing Offers.

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, offerors 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 Offer

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

Section II: Financial Offer

Offerors must submit their financial offer in accordance with the **Annex B, Basis of Payment**. The total amount of Goods and Services Tax or Harmonized Sales Tax must be shown separately, if applicable.

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3.1.1 Electronic Payment of Invoices - Offer

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex "F" Electronic Payment Instruments, to identify which ones are accepted.

If Annex "F" 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 Exchange Rate Fluctuation

[C3011T \(2013-11-06\)](#), Exchange Rate Fluctuation

Section III: Certifications Offerors must submit the certifications and additional information required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

Offers will be assessed in accordance with the entire requirement of the Request for Standing Offers including the technical and financial evaluation criteria.

4.1.1 Technical Evaluation

Contractor Qualifications: Minimum 3 years' experience in the maintenance of boilers and heating plants equipment and distribution system. Provide 2 references in good order for similar projects in size and nature.

4.1.2 Mandatory Certificates

- Canadian Welding Bureau Letter of Validation for Certification of CSA Standard W47.1 Division 2.1 Certification of Companies for Fusion Welding of Steel Structures.
- Certification of Confined Spaces as accepted by the Regulating Authority which is recognized by the NS Department of Environment Labour.
- Certification of Fall Protection as accepted by the regulating authority which is recognized by the NS Department of Environment Labour.

Bidders must adhere to the **Basis of Payment, Annex B**, provided to be considered responsive. Any changes not authorized in writing by the Contracting Authority will render the bid as non-responsive.

4.1.3 Financial Evaluation

The price of the offer will be evaluated in Canadian dollars, the Goods and Services Tax or the Harmonized Sales Tax excluded, FOB destination, Canadian customs duties and excise taxes included.

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4.2. Basis of Selection

An offer must comply with the requirements of the Request for Standing Offers and meet all mandatory technical evaluation criteria to be declared responsive. The responsive offer with the lowest evaluated price will be recommended for issuance of a standing offer.

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Offerors must provide the required certifications and additional information to be issued a standing offer.

The certifications provided by offerors to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare an offer non-responsive, will have the right to set-aside a

standing offer, or will declare a contractor in default if any certification made by the Offeror is found to be untrue whether made knowingly or unknowingly during the offer evaluation period, during the Standing Offer period, or during the contract period.

The Standing Offer Authority will have the right to ask for additional information to verify the Offeror's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Standing Offer Authority will render the offer non-responsive, result in the setting aside of the Standing Offer or constitute a default under the Contract.

5.1 Certifications Required with the Offer

Offerors must submit the following duly completed certifications as part of their offer.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all offerors must provide with their offer, **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.

5.1.2 Additional Certifications Required with the Offer

5.1.2.1 Federal Contractors Program for Employment Equity - Standing Offer Certification

By submitting an offer, the Offeror certifies that the Offeror, and any of the Offeror's members if the Offeror 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-Labour's](https://www.canada.ca/en/employment-social-development/canada-labour) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#s4>).

Canada will have the right to declare an offer non-responsive, or to set-aside a Standing Offer, if the Offeror, or any member of the Offeror if the Offeror is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of issuing of a Standing Offer or during the period of the Standing Offer.

5.2 Certifications Precedent to the Issuance of a Standing Offer and Additional Information

The certifications and additional information listed below should be submitted with the offer, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Standing Offer Authority will inform the Offeror of a time frame within which to

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provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the offer non-responsive.

5.2.1 Integrity Provisions – Required Documentation (SEE ANNEX E)

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 Offeror must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.3 Additional Certifications Precedent to Issuance of a Standing Offer

5.2.3.1 Status and Availability of Resources

If for reasons beyond its control, the Offeror is unable to provide the services of an individual named in its offer, the Offeror may propose a substitute with similar qualifications and experience. The Offeror must advise the Standing Offer Authority of the reason for the substitution and provide the name, qualifications and experience of the proposed replacement. For the purposes of this clause, only the following reasons will be considered as beyond the control of the Offeror: death, sickness, maternity and parental leave, retirement, resignation, dismissal for cause or termination of an agreement for default.

If the Offeror is unable to provide a substitute with similar qualifications and experience, Canada may set aside the standing offer.

5.2.3.2 Safety Audit

Bidders are to provide proof of an independent safety audit and confirmation that it will be maintained for the life of the Standing Offer Agreement.

5.2.3.3 Workers Compensation

Bidders are to provide proof of workers' compensation coverage and confirmation that it will be maintained for the life of the Standing Offer Agreement.

PART 6 - SECURITY AND INSURANCE REQUIREMENTS

6.1 Security Requirements

1. Before issuance of a standing offer, the following conditions must be met:
 - (a) the Offeror must hold a valid organization security clearance as indicated in Part 7A - Standing Offer;
 - (b) the Offeror's proposed individuals requiring access to classified or protected information, assets or sensitive work sites must meet the security requirements as indicated in Part 7A - Standing Offer;
 - (c) the Offeror must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites;
2. **Offerors are reminded to obtain the required security clearance promptly.** Any delay in the issuance of a standing offer to allow the successful Offeror to obtain the required clearance will be at the entire discretion of the Standing Offer Authority.

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3. For additional information on security requirements, offerors should refer to the [Contract Security Program](http://www.tpsgc-pwgsc.gc.ca/esc-src/introduction-eng.html) of Public Works and Government Services Canada (<http://www.tpsgc-pwgsc.gc.ca/esc-src/introduction-eng.html>) website.

6.2 Insurance Requirements

The Contractor is responsible for deciding if insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any insurance acquired or maintained by the Contractor is at its own expense and for its own benefit and protection. It does not release the Contractor from or reduce its liability under the Contract.

PART 7 - STANDING OFFER AND RESULTING CONTRACT CLAUSES

A. STANDING OFFER

7.1 Offer

The Offeror offers to fulfill the requirement in accordance with the Requirement at **Annex A**.

7.2 Security Requirements

- 7.2.1 The following security requirements (SRCL and related clauses provided by the Contract Security Program) apply and form part of the Standing Offer.

SECURITY REQUIREMENT FOR CANADIAN SUPPLIER: PWGSC FILE: W010C-18-0098

1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid Designated Organization Screening (DOS), issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
2. The Contractor/Offeror personnel requiring access to sensitive work site(s) must EACH hold a valid RELIABILITY STATUS, granted or approved by CISD/PWGSC.
3. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of CISD/PWGSC.
4. The Contractor/Offeror must comply with the provisions of the:
 - a. Security Requirements Check List and security guide (if applicable), attached at Annex C;
 - b. Industrial Security Manual (Latest Edition).

NOTE: Visit Clearance Request: Immediately upon award of Standing Offer Agreement, the Contractor must apply for a "Visit Clearance Request (VCR)" for each employee in order to access DND property. Proof of the VCR application must be provided to the Contract Inspector within 30 days after award of Standing Offer Agreement.

7.3 Standard Clauses and Conditions

All clauses and conditions identified in the Standing Offer and resulting contract(s) by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](#)

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(<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

7.3.1 General Conditions

2005 (2017-06-21) General Conditions - Standing Offers - Goods or Services, apply to and form part of the Standing Offer.

2010C (2016-04-04) General Conditions - Services (Medium Complexity).

7.3.2 Standing Offers Reporting

The Offeror must compile and maintain records on its provision of goods, services or both to the federal government under contracts resulting from the Standing Offer. This data must include all purchases paid for by a Government of Canada Acquisition Card.

The Offeror must provide this data in accordance with the reporting requirements detailed in Annex D. If some data is not available, the reason must be indicated. If no goods or services are provided during a given period, the Offeror must still provide a "NIL" report.

The data must be submitted on a quarterly basis to the Standing Offer Authority.
The quarterly reporting periods are defined as follows:

1st quarter: April 1 to June 30;
2nd quarter: July 1 to September 30;
3rd quarter: October 1 to December 31;
4th quarter: January 1 to March 31.

The data must be submitted to the Standing Offer Authority no later than 30 calendar days after the end of the reporting period.

7.4 Term of Standing Offer

7.4.1 Period of the Standing Offer

The period for making call-ups against the Standing Offer is for a period of one year from award.

7.4.2 Extension of Standing Offer

If the Standing Offer is authorized for use beyond the initial period, the Offeror offers to extend its offer for an additional two (2) one-year periods, under the same conditions and at the rates or prices specified in the Standing Offer, or at the rates or prices calculated in accordance with the formula specified in the Standing Offer.

The Offeror will be advised of the decision to authorize the use of the Standing Offer for an extended period by the Standing Offer Authority before the expiry date of the Standing Offer. A revision to the Standing Offer will be issued by the Standing Offer Authority.

7.5 Authorities

7.5.1 Standing Offer Authority

The Standing Offer Authority is:

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Name: Nancy Dunphy
Title: Contracting Officer
Public Works and Government Services Canada
Acquisitions Branch
Real Property Contracting
Address: 1713 Bedford Row, Halifax, NS B3J 3C9

Telephone: (902) 403-2191
Facsimile: (902) 496-5016
E-mail address: nancy.dunphy@pwgsc.gc.ca

The Standing Offer Authority is responsible for the establishment of the Standing Offer, its administration and its revision, if applicable. Upon the making of a call-up, as Contracting Authority, he is responsible for any contractual issues relating to individual call-ups made against the Standing Offer by any Identified User.

7.5.2 Project Authority

The Project Authority for the Standing Offer is:

The Project Authority for the Standing Offer is identified in the call-up against the Standing Offer.

The Project Authority is the representative of the department or agency for whom the Work will be carried out pursuant to a call-up against the Standing Offer and is responsible for all the technical content of the Work under the resulting Contract.

7.5.3 Offeror's Representative (OFFEROR TO FILL IN)

Name: _____
Title: _____
Phone: _____
Fax: _____
E-Mail: _____

7.6 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.

7.7 Identified Users

The Identified User authorized to make call-ups against the Standing Offer is: Base Construction Engineering, Maritime Forces Atlantic, Department of National Defence.

7.8 Call-up Instrument

The Work will be authorized or confirmed by the Identified User(s) using the duly completed forms or their equivalents as identified in paragraphs 1 and 2 below, or by using Canada acquisition cards (Visa or MasterCard) for low dollar value requirements.

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1. Call-ups must be made by Identified Users' authorized representatives under the Standing Offer and must be for goods or services or combination of goods and services included in the Standing Offer at the prices and in accordance with the terms and conditions specified in the Standing Offer.
2. Any of the following forms could be used which are available through [PWGSC Forms Catalogue](#) website:
 - PWGSC-TPSGC 942 Call-up Against a Standing Offer
 - PWGSC-TPGSC 942-2 Call-up Against a Standing Offer - Multiple Delivery
 - PWGSC-TPSGC 944 Call-up Against Multiple Standing Offers (English version)
 - PWGSC-TPSGC 945 Commande subséquente à plusieurs offres à commandes (French version)

7.9 Limitation of Call-ups

Individual call-ups against the Standing Offer must not exceed \$60,000.00 (Applicable Taxes included).

7.10 Financial Limitation - determine at award

The total cost to Canada resulting from call-ups against the Standing Offer must not exceed the sum of \$____TBD____ (Goods and Services Tax or Harmonized Sales Tax excluded) unless otherwise authorized in writing by the Standing Offer Authority. The Offeror must not perform any work or services or supply any articles in response to call-ups which would cause the total cost to Canada to exceed the said sum, unless an increase is so authorized.

The Offeror must notify the Standing Offer Authority as to the adequacy of this sum when 75 percent of this amount has been committed, or before the expiry date of the Standing Offer, whichever comes first. However, if at any time, the Offeror considers that the said sum may be exceeded, the Offeror must promptly notify the Standing Offer Authority.

7.11 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 call up against the Standing Offer, including any annexes;
- b) the articles of the Standing Offer;
- c) the general conditions 2005 (2017-06-27), General Conditions - Standing Offers - Goods or Services
- d) the general conditions 2010C (2016-04-04); General Conditions - Services (Medium Complexity);
- e) Annex A, Statement of Requirement;
- f) Annex B, Basis of Payment;
- g) Annex C, Security Requirements Check List;
- h) Annex D, Reporting Requirements;
- j) Annex E, Code of Conduct – Board of Directors;
- k) the Offeror's offer _____.

7.12 Certifications and Additional Information

7.12.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Offeror with its offer or precedent to issuance of the Standing Offer (SO), and the ongoing cooperation in providing additional information are conditions of issuance of the SO and failure to comply will constitute the Offeror

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in default. Certifications are subject to verification by Canada during the entire period of the SO and of any resulting contract that would continue beyond the period of the SO.

7.12.3 SACC Manual Clauses

SACC Clause M3020C Status of Availability of Resources 2016-01-28

7.13 Applicable Laws

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____.

B. RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from a call-up against the Standing Offer.

7.1 Statement of Requirement

The Contractor must perform the Work described in the call-up against the Standing Offer.

7.2 Standard Clauses and Conditions

7.2.1 General Conditions

2010C (2016-04-04), General Conditions - Services (Medium Complexity) apply to and form part of the Contract.

Section 13 "Interest on overdue accounts" of **2010C (2016-04-04)** General Conditions - Services (Medium Complexity) does not apply to payments made by credit card.

7.2.2 Canadian Forces Site Regulations

The Contractor must comply with all standing orders or other regulations, instructions and directives in force on the site where the Work is performed.

7.3 Term of Contract

7.3.1 Period of the Contract

The Work must be completed in accordance with the call-up against the Standing Offer.

7.4 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.

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7.5 Payment

7.5.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm hourly rates, as specified in Annex B for a cost of \$ _____ (insert the amount at contract award). Customs duties are excluded and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

7.5.2 Financial Limitation - Total

The total cost to Canada resulting from call ups against the Standing Offer must not exceed the sum of \$__TBD__ (*Applicable Taxes excluded*) unless otherwise authorized in writing by the Standing Offer Authority. The Offeror must not perform any work or services or supply any articles in response to call ups which would cause the total cost to Canada to exceed the said sum, unless an increase is so authorized.

The Offeror must notify the Standing Offer Authority as to the adequacy of this sum when 75 percent of this amount has been committed, or one (1) month before the expiry date of the Standing Offer, whichever comes first. However, if at any time, the Offeror considers that the said sum may be exceeded, the Offeror must promptly notify the Standing Offer Authority.

7.5.3 Electronic Payment of Invoices – Call-up

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

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);

7.6 Invoicing Instructions

Invoices to be made out and forwarded to:

Accounts Payable Section
RPOS(H)
Maritime Forces Atlantic PO Box 99000
Station Forces, Willow Park bldg 7
Halifax, NS B3K 5X5

Invoices must be submitted within 30 days of completion of Work.
Each invoice will indicate the following information:

1. Contract number;
2. Work order/ serial number;
3. Requisition/order offer number;

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4. Building number or location;
 5. Dates during which the Work was accomplished;
 6. A detailed description of the Work performed, with itemized list of materials & labour (a copy of the Contractor's invoice from his material supplier will also be included plus any other costs being charged), labour, overhead, profit and applicable taxes will be included separately on the invoice.
 7. Labour costs are to be broken down by trade and sub-trade. Labour time sheets will also be provided upon request.

No invoices will be processed without proper information as outlined.

8. DND payments to Contractor will be done through direct deposit process. The Contractor will be required to provide the following to Accounts Payable Section:

- .1 banking information for direct deposit; and
- .2 email address.

7.7 Insurance

The Contractor is responsible for deciding if insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any insurance acquired or maintained by the Contractor is at its own expense and for its own benefit and protection. It does not release the Contractor from or reduce its liability under the Contract.

7.8 SACC Manual Clauses

M3020C (2010-01-11) Status and Availability of Resources

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ANNEX A

STATEMENT OF *REQUIREMENT*

SEE ATTACHED SPECIFICATIONS

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ANNEX B**BASIS OF PAYMENT****Regular working hours:** Monday to Friday, 0730 – 1600 hrs.**Outside regular working hours:** Call out to the Contractor that occurs between 1600 and 0730 Monday to Friday, and between 1600 Friday and 0730 Monday, including holidays.

1. The price of the bid will be evaluated in Canadian dollars, the Goods and Services tax or the Harmonized Sales Tax excluded, FOB destination including Canadian customs duties and excise taxes included.
2. The estimated annual usage figures (C) are for evaluation purposes only and does not infer all the quantities for that item will be utilized or that the quantities may not be exceeded.
3. Lowest overall evaluation price will be determined as follows $(C * D) + (C * E) + (C * F) = G$.

Pricing Table Standing Offer						
Year 1 - Jan 19 th , 2018 to Jan 18 th , 2019						
Year 2 - Jan 19 th , 2019 to Jan 18 th , 2020 (OPTION YEAR 1)						
Year 3 - Jan 19 th , 2020 to Jan 18 th , 2021 (OPTION YEAR 2)						
Column A	Column B Description	Column C Estimated annual usage	Column D Year 1 pricing (per hour)	Column E Option Year 1 pricing (per hour)	Column F Option Year 2 pricing (per hour)	Column G Extended total
A.	Labour rates – Service calls during regular working hours Includes travel time to and from the work site within Halifax Regional Municipality.					
.1	CWB certified high pressure welder	200 hours	\$ _____	\$ _____	\$ _____	\$ _____
.2	CWB certified welder	120 hours	\$ _____	\$ _____	\$ _____	\$ _____
.3	Trades helper	120 hours	\$ _____	\$ _____	\$ _____	\$ _____
B.	Labour rates – Service calls outside regular working hours Includes travel time to and from the work site within Halifax Regional Municipality.					
.1	CWB certified high pressure welder	10 hours	\$ _____	\$ _____	\$ _____	\$ _____
.2	CWB certified welder	20 hours	\$ _____	\$ _____	\$ _____	\$ _____
.3	Trades helper	20 hours	\$ _____	\$ _____	\$ _____	\$ _____
Grand total ALL THREE YEARS (for evaluation purposes only)						\$ _____ HST extra
Note: An allowance for materials and replacement parts, required permits, certificates, assessments, specialty equipment and security will be at net cost plus 10% mark-up (Includes invoice costs, transportation costs, exchange, customs and brokerage charges).						

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ANNEX C

SECURITY REQUIREMENTS CHECK LIST

SEE ATTACHED

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ANNEX D**Standing Offer Reporting Form****Please fax to the Standing offer authority named herein.****Please use the Standing Offer number in the Subject line and clearly indicate:**

- The standing offer number for which data is submitted;
- The period for which the data has been accumulated (start date to end date);
- The Department with whom the standing offer was arranged;
- The start date and the end date for the standing offer; and
- The total spend to date, by government department.

Standing Offer		(Insert Standing Offer #)	Start Date of SO (DD/MM/YYYY)	End Date of SO (DD/MM/YYYY)	
Total Value to Date (\$)		Total Value for Reporting Period (\$)	Start Reporting Period (DD/MM/YYYY)	End Reporting Period (DD/MM/YYYY)	
Department Requesting	Order Number	Work Description	Date of Order	Date of Delivery	Value of Order (not including HST)

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ANNEX E

INFORMATION FOR CODE OF CONDUCT CERTIFICATION

***[MUST BE COMPLETED BY
OFFEROR/BIDDER WITH BID SUBMISSION]***

Please provide list of names of the following entities, according to the ownership nature of the company

1. For a Corporation - each current member of the Bidder's Board of Directors;

2. For a Sole Proprietorship or an individual doing business under a firm name - the name of the sole proprietor or individual;

3. For a Joint Venture - the names of all current members of the Joint venture;

4. For an individual - the full name of the person;

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ANNEX F to PART 3 OF THE REQUEST FOR STANDING OFFERS

ELECTRONIC PAYMENT INSTRUMENTS

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

- ☐ VISA Acquisition Card;
- ☐ MasterCard Acquisition Card;
- ☐ Direct Deposit (Domestic and International);
- ☐ Electronic Data Interchange (EDI);
- ☐ Wire Transfer (International Only);

Department of National Defence



Specification

Standing Offer Agreement

Boiler Repairs to Central Heating Plants - Halifax Area

CFB Halifax, NS

<u>Section</u>	<u>Title</u>	<u>Pages</u>
<u>Division 01 - General Requirements</u>		
01 11 00	General Instructions	8
01 35 15	Industrial Security	4
01 35 30	Health and Safety Requirements	8
01 35 35	DND Fire Safety Requirements	4
01 35 36	Security, Safety and Fire Regulations CFAD Bedford, NS	6
01 35 43	Environmental Procedures	2
01 35 73	Confined Spaces Requirements	9
01 74 11	Cleaning	2
<u>Division 23 - Heating, Ventilating and Air-Conditioning (HVAC)</u>		
23 05 01	Mechanical General Requirements	7

PART 1 - GENERAL

1.1 RELATED SECTIONS

- .1 Section 01 35 73 Confined Spaces Requirements.
- .2 Section 23 05 01 Mechanical General Requirements.

1.2 DESCRIPTION OF WORK

- .1 Work under this Standing Offer Agreement comprises the furnishing of all labour, material, tools, equipment, transportation, and supervision required for performing various types of emergency and operating repairs to boilers, plant equipment and related distribution systems as specified herein.

1.3 ENGINEER

- .1 All reference to the Engineer in this specification, who is the Contract Inspector which is representing the Real Property Operations Section - Halifax (RPOS(H)).
- .2 The Engineer will provide the Contractor with a list of his / her authorized representatives at the pre-job meeting.

1.4 WORK INCLUDED

- .1 Work included in this Standing Offer Agreement includes but will not be limited to the following:
 - .1 Perform various types of repairs to boilers and plant systems:
 - .1 high and low pressure boilers and distribution systems;
 - .2 high temperature hot water systems and boilers;
 - .3 high and low pressure compressed air plants and systems;
 - .4 systems such as:
 - .1 pressure vessels of various types and sizes; and
 - .2 all associated mechanical support systems for the boilers and plant systems.
 - .2 Perform "on site" repairs as specified in Section 23 05 01 General Mechanical Requirements.

<u>1.4 WORK INCLUDED (Cont'd)</u>	.1	(Cont'd)
	.3	Provide any and all necessary licenses, permits, inspections, manifests, tests, applications, acceptances, and any other fees needed to perform the work required under this Standing Offer Agreement.
	.4	Provide an emergency repair service available on a 24 hour, seven (7) day per week basis.
	.5	Clean up.
<u>1.5 LOCATIONS OF JOB SITES</u>	.1	Areas covered under this specification include but not limited to the following locations:
	.1	Halifax Regional Municipality (HRM) area:
	.1	Stadacona - Halifax, NS;
	.2	Windsor Park - Halifax, NS;
	.3	HMC Dockyard - Halifax, NS;
	.4	12 Wing Shearwater - Eastern Passage, NS; and
	.5	Naval Armament Depot (NAD) - Dartmouth, NS;
<u>1.6 SITE ACCESS</u>	.1	Access to the site is under the direction of the Department of National Defence. All visitors entering areas issuing a daily pass will be aware of the requirement for search as a condition of issue.
	.2	While within the confines of CFB Halifax all employees and representatives of the Contractor must comply with all of the Standing Orders as promulgated by Base Authorities.
<u>1.7 PRE-JOB MEETING</u>	.1	Immediately upon receipt of award of Standing Offer Agreement, the successful Contractor will contact the Engineer to arrange a pre-job meeting prior to commencement of any work.
<u>1.8 CONTRACTOR QUALIFICATIONS</u>	.1	The Contractor must satisfy the Engineer that he / she has adequate and qualified staff to perform the service expected. This includes all service calls within an acceptable time period and having adequate parts on hand to meet the requirements of the job, both during silent and normal working hours.

1.8 CONTRACTOR
QUALIFICATIONS
(Cont'd)

- .2 Whenever the Contractor uses sub-contractors, they too must perform to and comply with all requirements of this Standing Offer Agreement.

1.9 WORKMANSHIP

- .1 Workmanship must be the best quality executed by workers experienced and skilled in the respective duties for which they are employed.
- .2 Do not employ any unfit person or anyone unskilled in their required duties. The Engineer reserves the right to require the dismissal from the site, workers deemed incompetent, careless, insubordinate or otherwise objectionable.
- .3 Decisions as to the quality or fitness of workmanship in cases of dispute rest solely with the Engineer whose decision is final.
- .4 The Contractor will employ a competent and experienced supervisor with the authority to speak on his behalf on day-to-day routine matters.

1.10 NORMAL WORKING
HOURS

- .1 Normal working hours will be 0730 to 1600 hours, Monday to Friday. Any work carried out other than normal working hours must be authorized by the Engineer.

1.11 CONTRACTOR'S USE OF
SITE

- .1 Contractor will be briefed on use of site by the Engineer.
- .2 Do not unreasonably encumber site with materials or equipment.
- .3 Move stored products or equipment which interferes with operations of Engineer or other Contractors.
- .4 The Engineer will brief the Contractor on access to restricted areas.

1.12 PARKING

- .1 In limited areas, a parking space will be made available on site for Contractor vehicles to drop off equipment and supplies. Maintain and administer this space as directed.
- .2 The Contractor may have to pay for parking at the following locations:
 - .1 Stadacona - Halifax, NS;

<u>1.12 PARKING (Cont'd)</u>	.2	(Cont'd)
	.2	Windsor Park - Halifax, NS;
	.3	HMC Dockyard - Halifax, NS; and
	.4	Naval Armament Depot (NAD) - Dartmouth, NS.
<u>1.13 CODES AND STANDARDS</u>	.1	Perform work in accordance with the latest edition of the National Building Code of Canada (NBC), Canadian Electrical Code Part I, Canada Labour Code Part II, National Fire Code of Canada, Occupational Health and Safety Act, Canadian Welding Bureau, Installation Code for Oil Burning Equipment, NS Fall Protection and Scaffold Regulations, DND/CF Asbestos management directives, and any other applicable federal, provincial and municipal regulations and by-laws. In any case of conflict or discrepancy, the more stringent requirements will apply.
	.2	Meet or exceed requirements of Standing Offer documents, specified standards, codes and referenced documents.
<u>1.14 LICENSES AND PERMITS</u>	.1	The Contractor will be responsible for obtaining and paying for all licenses and permits required to perform the Work.
<u>1.15 PROTECTION OF EXISTING FACILITIES</u>	.1	The Contractor must take all necessary precautions to ensure against damage to existing facilities. Any damage to such facilities as a result of the Contractors operations must be repaired or replaced by the Contractor at his / her own expense, as soon as is reasonably possible.
	.2	Special coverings and protection must be provided to protect plants, walls, projections and adjacent work where materials are being removed, installed or hoisted.
	.3	The Contractor must protect all occupant owned furnishings and equipment, and the building from damage during execution of this Standing Offer Agreement.
	.4	Where the Engineer considers it necessary, provide and erect warning signs and barriers.
<u>1.16 ALTERATIONS, ADDITIONS OR REPAIRS TO EXISTING BUILDING</u>	.1	Execute work with least possible interference or disturbance to building operations, occupants, public and normal use of premises. Arrange with Engineer to facilitate execution of work.

1.16 ALTERATIONS,
ADDITIONS OR REPAIRS TO
EXISTING BUILDING
(Cont'd)

- .2 Where security has been reduced by work of Standing offer Agreement, provide temporary means to maintain security.
- .3 Provide temporary dust control, barriers, warning signs in locations where renovation and alteration work is adjacent to areas used by public or government staff.
- .4 Use only elevators existing in building for moving workers and material.
 - .1 Protect walls of passenger elevators, to approval of Engineer prior to use.
 - .2 Accept liability for damage, safety of equipment and overloading of existing equipment.

1.18 EXISTING SERVICES

- .1 Notify Engineer and utility companies of intended interruption of services and obtain required permission.
- .2 Where Work involves breaking into or connecting to existing services, give 24 hours notice for necessary interruption of mechanical or electrical service throughout course of work. Minimize duration of interruptions. Carry out work at times as directed by governing authorities with minimum disturbance to tenant operations.
- .3 Establish location and extent of service lines in area of work before starting Work. Notify Engineer of findings.
- .4 Submit schedule to and obtain approval from Engineer for any shut-down or closure of active service or facility. Adhere to approved schedule and provide notice to affected parties.
- .5 Where unknown services are encountered, immediately advise Engineer and confirm findings in writing.

1.19 CUTTING, FITTING AND
PATCHING

- .1 Execute cutting, fitting and patching required to make work fit properly.
- .2 Where new work connects with existing and where existing work is altered, or cut, patch and make good to match.
- .3 Obtain Engineer's approval before cutting, boring or sleeving load-bearing members.
- .4 Make cuts with clean, true, smooth edges. Make patches inconspicuous in final assembly.

1.19 CUTTING, FITTING AND
PATCHING
(Cont'd)

- .5 Fit work airtight to pipe, sleeves, ducts and conduits.

1.20 POWER AND WATER
SUPPLY

- .1 DND may provide, free of charge, temporary electric power and water for construction purposes.
- .2 Engineer will determine delivery points and quantitative limits. Engineer's written permission is required before any connection is made. Connect to existing power supply in accordance with Canadian Electrical Code.
- .3 Provide, at no cost to DND, all equipment and temporary lines to bring these services to project site.
- .4 Supply of temporary services by DND is subject to DND requirements and may be discontinued by DND site representative at any time without notice, without acceptance of any liability for damage or delay caused by such withdrawal of temporary services.
- .5 After the temporary service lines are no longer required, the Contractor must remove all lines and equipment, restore the connection points to their original condition and return the land to its original contour.

1.21 HEATING AND
VENTILATING

- .1 Provide temporary heat and ventilation as required to:
- .1 facilitate progress of work;
- .2 protect work and products against dampness and cold;
- .3 prevent moisture condensation on surfaces;
- .4 provide ambient temperatures and humidity levels for storage, installation and curing of materials; and
- .5 provide adequate ventilation to meet health regulations for safe working environment.
- .2 Maintaining strict supervision of operation of temporary heating and ventilating equipment to:
- .1 conform with applicable codes and standards;
- .2 enforce safe practices;

1.21 HEATING AND
VENTILATING
(Cont'd)

- .2 (Cont'd)
- .3 prevent abuse of services;
- .4 prevent damage to finishes; and
- .5 vent direct-fired combustion units to outside.

1.22 EMERGENCY AND
SERVICE CALL-UPS

- .1 The Contractor must maintain and provide the Engineer with contact numbers to be able to provide response to request for service from the Engineer or representative on a 24 hours, 7 days per week basis. If the request for service from the after hours Departmental Representative, the Contractor must, immediately upon completion of the service, report back to the Engineer describing the action taken to correct the problem. The following Work priorities and response time will apply:

- .1 Emergency:

- .1 A priority of "Emergency" is defined as a deficiency or breakdown that requires immediate attention to reduce the potential for danger to occupants, the general public, the environment, or the facility. Maintenance and repairs identified with this priority must be responded to immediately and must be reported without delay to designated manager.

- .1 Standard response times:

- .1 Urban / rural: ASAP - 2 hours.

- .2 Routine:

- .1 A priority of "Routine" is defined as essential maintenance and repairs which should be rectified at the earliest possible opportunity. It is considered as deficiencies or breakdowns that do not impair current operations or pose any danger to the occupants, the general public, the environment, or the facility.

- .1 Standard response times:

- .1 Urban / rural: 4 hours.

<u>1.22 EMERGENCY AND SERVICE CALL-UPS (Cont'd)</u>	.1	(Cont'd)
	.2	(Cont'd)
	.2	The Contractor will be advised of the personnel authorized to request emergency service. Services undertaken at the request of unauthorized persons will be done at the Contractor's risk, with regards to payment.
	.3	Report service calls executed outside normal working hours to the Engineer, immediately on the next working day.
<u>1.23 INSPECTION</u>	.1	All work and materials covered by this specification will be subject to inspection at any time by the Engineer or his / her representative.
<u>1.24 REPORTING IRREGULARITIES</u>	.1	The Contractor must notify the Engineer of irregularities in the work area, such as accidents, spills, structural defects, mechanical and / or electrical problems and / or any beyond the scope of work.
<u>PART 2 - PRODUCTS</u>		
<u>2.1 NOT USED</u>	.1	Not used.
<u>PART 3 - EXECUTION</u>		
<u>3.1 NOT USED</u>	.1	Not used.

PART 1 - GENERAL

1.1 RELATED
REQUIREMENTS

- .1 Precedence:
 - .1 Division 1 sections take precedence over technical specifications in other Divisions of this specification.

1.2 DEFINITIONS

- .1 Canadian Industrial Security Directorate (CISD):
 - .1 A government agency that developed the Industrial Security Manual.
- .2 Company Security Officer (CSO):
 - .1 The CSO is the organization's official point of contact with the Industrial Security Program (ISP). He or she is responsible for monitoring the organization's security profile, addressing security issues, and is accountable to the ISP and to the organization's designated Key Senior Official on all industrial security matters.
- .3 Contractor CSO:
 - .1 The employee of the Contractor's company who is the CSO.
- .4 Industrial Security Manual (ISM):
 - .1 The ISM is a ready and simple reference which tells Company Security Officers what they must know about Canadian government security standards and procedures and how to ensure that their organization meets these security requirements.
- .5 Industrial Security Program (ISP):
 - .1 The Industrial Security Program (ISP) helps industry to participate in Government of Canada and foreign government contracts. CISD provide security screening services needed for contractors before their employees can work with Protected or Classified information and assets.
- .6 Visit Clearance Request (VCR):

1.2 DEFINITIONS
(Cont'd)

- .6 (Cont'd)
- .1 Is a form that is required to be filled out by an individual who requires access to sensitive DND property, personnel, information, assets and resources so they must be security screened at the appropriate level before commencement of their duties.
- .7 Restricted:
- .1 Refers to a situation where authorized persons only are allowed access to an area or information.
- .8 Security Requirements Check List (SRCL):
- .1 The Security Requirements Check List (SRCL) is a Treasury Board Secretariat (TBS) form used to define the security requirements for a contract. The SRCL represents an evaluation of security threats and risks that may arise through the contracting process.
- .9 Sensitive:
- .1 Records that are sensitive contain information that can cause different degrees of injury to an individual, a company, or the country if the information were disclosed in an unauthorized manner.

1.3 REFERENCE SITES

- .1 Public Services and Procurement Canada (PSPC) Industrial Security:
- .1 <http://ssi-iss.tpsgc-pwgsc.gc.ca/index-eng.html>

1.4 GENERAL

- .1 Security requirements must form part of the Contract between DND and industry when defined by a Security Requirement Check List (SRCL).
- .2 A Security Requirement Check List (SRCL) is a form that is used to define the security requirements associated with all contracts. The SRCL ensures that the appropriate security clauses are identified so they may be incorporated into the contract, thereby legally binding the parties to meet the contract's security requirements.
- .1 The SRCL must accompany all Contract documents including subcontracts that contain security requirements.

1.4 GENERAL
(Cont'd)

- .3 If multiple levels of screening are required, a Security Classification Guide may have been provided along with the SRCL as a contractual document. This document will provide further information related to security requirements when dealing with multiple levels of clearances within the Contract.

1.5 PRIVATE SECTOR
ORGANIZATION SCREENING
AND CLEARANCES

- .1 Companies who will need access to or who will retain controlled goods, Protected or Classified property, information, assets or resources must be cleared as follows:
- .1 Companies must be cleared to safeguard the highest level of information and asset to be retained.
- .1 Designated Organization Screening (DOS) is required for access to Protected information, assets and secure work sites, as part of a Contract, and as long they need-to-know. (Reliability Status).
- .2 Facility Security Clearance (FSC) is required for access to Protected or Classified information, assets, and secure worksites, as part of a contract, and as long as they have a need-to-know (Secret status).
- .3 Document Safeguarding Capability (DSC) is required by contract to work on Protected and / or Classified information at their own worksite.
- .4 Companies who will electronically process and / or transmit sensitive electronic data on their information technology systems must have the Authority to Process IT and must obtain the mandatory IT written approval letter from the ISP for the level of security requested.

1.6 PERSONNEL SECURITY
SCREENING

- .1 Contracts with DND may require employees of the Contractor to access Protected and / or Classified information, assets or work sites. In these cases, the personnel who must have access to information and / or work site must have their personnel security screening completed. Please refer to PSPC website for more information.
- .2 Refer to PSPC website for the process to obtain a security screening.

1.7 VISIT CLEARANCE
REQUESTS (VCR) APPROVAL

- .1 All individuals (including subcontractors) who will have access to sensitive DND information, assets, resources, or work sites must be security screened before submitting a visit clearance request (VCR).
- .2 The VCR process verifies that those who are permitted access onto DND property have the required clearance level as outlined within the Security Requirement Check List (SRCL) for the Contract.
- .3 All employees of the successful bidder who will be working on the contract require a VCR. The Contractor's CSO must forward the completed form to the Engineer for processing.

1.8 RESPONSIBILITY

- .1 It is the responsibility of the Contractor to have no security breaches while undertaking the work for this Contract.

PART 2 - PRODUCTS

2.1 NOT USED

- .1 Not used.

PART 3 - EXECUTION

3.1 NOT USED

- .1 Not used.

PART 1 - GENERAL

1.1 WORK SAFETY
MEASURES

- .1 Observe and enforce construction safety measures by complying with the requirements of the following statutes and authorities:
 - .1 Canada Labour Code Part II and the Canada Occupational Health and Safety Regulations;
 - .2 Nova Scotia Occupational Health and Safety Act and supporting Occupational General Safety Regulations as amended from time to time;
 - .3 most recent amendments to the National Building Code of Canada, Part 8 and National Fire Code of Canada.
- .2 Refer to Section 01 35 35 DND Fire Safety Requirements.
- .3 Engineer will provide a copy of any relevant special written instructions to be followed.
- .4 Before Work Begins
 - .1 Bidder / Tender to provide documentation if requested by the Crown, indicating all safety training attained for each person who will be involved with the Standing Offer Agreement.
- .5 The following disciplinary measures will be taken for any violations of safety under this Standing Offer Agreement:
 - .1 First Violation:
 - .1 Verbal warning issued to the Contractor for the first violation of a safety regulation (Violation will be documented on Standing Offer file, copy to Contractor and PSPC.).
 - .2 Second Violation:
 - .1 Written warning to Contractor for second violation of a safety regulation (Violation will be documented on Standing Offer file, copy to Contractor and PSPC.).
 - .3 Third Violation:

1.1 WORK SAFETY
MEASURES
(Cont'd)

.5

(Cont'd)

.3 (Cont'd)

.1 A third violation of a safety regulation may result in the termination of the Standing Offer with a recommendation to the Contracting Authority that the Contractor be denied access to Real Property Operations Section - Halifax (RPOS(H)) contracts (Documented to Standing Offer file, copies to Contractor and PSPC.).

.4 Serious Violation:

.1 For a serious violation of a safety regulation as deemed by a regulator, project manager or safety officer a recommendation will be made to the Contracting Authority to immediately terminate the Contract / Standing Offer (Violation documented on Standing Offer file, copy to Contractor and PSPC.).

.5 Charges Laid or Guilty Determination by Courts:

.1 Infractions of safety regulations that result in charges being laid by a regulator against the Contractor or the Contractor being found guilty by the courts may result in that Contractor being denied access to RPOS(H) contracts.

1.2 HAZARD ASSESSMENTS

.1

Contractor must implement and carry out a health and safety hazard assessment program as part of the Work. Program to include:

.1 Initial Hazard Assessment:

.1 Carried out upon notification of Contract award and / or prior to commencement of Work.

.2 On-going Hazard Assessments:

.1 Performed during the progress of Work identifying new or potential health risks and safety hazards not previously known. As a minimum, hazards assessments must be carried out when:

.1 new sub-trade work, new sub-contractor (s) or new workers arrive at the site to commence another portion of the Work;

1.2 HAZARD ASSESSMENTS
(Cont'd)

- .1 (Cont'd)
- .2 (Cont'd)
 - .2 the scope of Work has been changed;
 - .3 Work conducted in confined spaces; and / or
 - .4 potential hazard or weakness in current health and safety practices are identified by the Engineer.
- .2 Hazard assessments will be project and site specific, based on review of Standing Offer documents and site.
- .3 Each hazard assessment to be made in writing. Keep copies of all assessments on site for duration of Work. Upon request, make available to Engineer.
- .4 The Contractor must notify the Engineer of suspected hazardous material during work and not apparent from drawings, specifications, or report pertaining to work (e.g. lead, asbestos etc.). Do not disturb such material pending instructions from the Engineer. The Engineer will make the necessary arrangements for testing the material as required.

1.3 ASBESTOS PRODUCT &
ASBESTOS ACTIVITY

- .1 Within the confines of the Base, the provision of new products containing fibrous asbestos materials is prohibited.
- .2 Demolition or disturbance of spray or trowel-applied asbestos can be hazardous to health. Should material resembling spray or trowel-applied asbestos be encountered in course of work, stop work and notify Engineer immediately. Do not proceed until written instructions have been received from Engineer.

1.4 HAZARDOUS MATERIAL
SPILL

- .1 The Contractor or sub-contractors must report to the DND Fire Hall and the Engineer for any incident or spill involving hazardous materials (HAZMAT).
- .2 In the event of a hazardous material spill, the following procedures for initial actions must be followed:
 - .1 ensure safety of all personnel;
 - .2 assess spill hazards and risks;

1.4 HAZARDOUS MATERIAL
SPILL
(Cont'd)

- .2 (Cont'd)
- .3 ventilate area if release is indoors and remove all sources of ignition;
- .4 stop the spill if safely possible (e.g. shut off pump, replace cap, tip drum upward, patch leaking hole etc.).
- .5 no matter the volume is, contact the DND Fire Hall and provide the following information:
- .1 time of the spill;
- .2 location;
- .3 special considerations:
- .1 personal safety;
- .2 environmental.
- .4 type and amount of spill;
- .5 person reporting the spill:
- .1 name;
- .2 company; and
- .3 telephone number.
- .6 contain the spill;
- .7 isolate the area as required;
- .8 provide Material Safety Data Sheets (MSDS) to DND Fire Hall and Engineer;
- .9 contact the Engineer; and
- .10 clean up minor spills using appropriate protective equipment and supplies.

1.5 FASTENING DEVICES
EXPLOSIVE ACTUATED

- .1 Explosive actuated devices must not be used without the approval of the Engineer.
- .2 Operator must have the appropriate training before using the explosive actuated device.

1.5 FASTENING DEVICES
EXPLOSIVE ACTUATED
(Cont'd)

- .3 Follow the manufacturer's safety guidelines and ensure the applicable personal protective equipment is used.

1.6 HOT WORK

- .1 All hot work activity is to take place with Engineer's approval and written permission from the Base Fire Chief (hot work permit). Hot work permits and fire watch requirements will be provided by the Base Fire Chief.
- .2 The ventilation system in the area of any hot work is to be isolated to prevent migration of fumes / smoke and to reduce any possible spread of fire to other areas of the facility.
- .3 Contractor is to employ an employee trained in the use of fire extinguishers as fire watch during any hot work for a minimum of 30 minutes after activity has ceased.

1.7 CONFINED SPACES

- .1 All work in confined spaces will be carried out in compliance with the Canada Occupational Safety and Health Regulations, Part XI.
- .2 The Contractor to provide and maintain all equipment as required by any person to enter and / or perform work in a safe manner, in compliance with the Canada Occupational Safety and Health Regulations, Part XI.
- .3 The Contractor to provide and maintain training, as required by the Canada Occupational Safety and Health Regulations, Part XI.
 - .1 The Contractor and / or his employees must provide proof of training and qualifications when requested by the Engineer.
- .4 The Contractor to provide the Engineer with a copy of an "entry permit" for each and every entry into the confined space to ensure compliance with the Canada Occupational Safety and Health Regulations, Part XI.
- .5 The Contractor to have a hazard assessment of the confined space performed.
 - .1 The Contractor to provide the Engineer with a copy of the hazard assessment.
- .6 The Contractor must have a written rescue plan posted on site.

<u>1.7 CONFINED SPACES (Cont'd)</u>	.7	Contractor must inform DND Fire Hall and Central Heating plant before entering any service tunnel.
<u>1.8 FALL PROTECTION</u>	.1	All work carried out above the mandatory height restrictions, from unguarded structure and / or scaffolding, will be done in compliance with the Canada Occupational Safety and Health Regulations, Part XII, Section 12.10.
	.2	The components of a fall protection system must meet the standards as outlined in the Canada Occupational Safety and Health Regulations, Part XII, Section 12.10 (2).
	.3	The Contractor is to ensure fall protection equipment is maintained, inspected and tested by a qualified technician as required by the Canada Occupational Safety and Health Regulations, Part XII, Section 12.3.
<u>1.9 ARC FLASH</u>	.1	The Contractor is to ensure all electrical equipment such as switchboards, panel boards, motor control centres and meter socket enclosures be marked to warn persons of potential electric shock and arc flash hazards. This labeling is required for all new and modified installations.
	.2	The warning label must also include information regarding "arc flash hazard category (0 to 4)" and the "Flash Protection Boundary" as defined in NFPA 70E. All projects specifications must include short circuit study and flash hazard analysis.
	.3	In accordance with the CSA Standards Z462 Workplace Electrical Safety, electrical Contractors are required to perform a shock and flash hazard analysis to select the appropriate PPE to wear. Electrical contractors are required arc-rated personal protective equipment while troubleshooting and diagnostic testing that cannot be performed unless the electrical conductor or circuit part is energized. All Contractor work practices must protect each employee from arc flash and from contact with live parts directly with any part of the body or indirectly through some other conductive object.
<u>1.10 SAFETY</u>	.1	It is the Contractor's responsibility to be familiar with all applicable safety acts, regulations, codes and Standing Offer requirements. These must be identified and addressed in the safety plan, by identifying Standard Operating Procedures (SOP) and safe work practices (SWP) which incorporate clear and specific control measures, applicable rules, procedures and practices, all of which will become mandatory.

1.10 SAFETY
(Cont'd)

- .2 The Contractor must ensure all workers and authorized persons entering the work site are notified of and abide by the posted safety plan, safety rules, procedures, safe work practices and applicable safety acts, regulations, and codes. Any person not complying with these will not be permitted on the site.
- .3 Contractor must ensure that all applicable personal protective equipment (PPE) is used.
 - .1 All personnel are required to wear hard hats, in accordance with CSA Z94.1, Industrial Protective Headwear.
 - .2 All personnel are required to wear safety footwear, in accordance with CSA Z195.1, Guideline on Selection, Care and Use of Protective Footwear.
 - .3 All personnel are required to wear eye and face protection, in accordance with CSA Z94.3.1, Selection, Use, and Care of Protective Eyewear.
 - .4 When and where noise level is above 85 decibels; all personnel are required to wear hearing protection, in accordance with CSA Z94.2, Hearing Protection Devices - Performance, Selection, Care and Use.
 - .5 Where toxic or noxious gas fumes, or oxygen deficiency or excessive dust may occur, so as to create a hazard to life, safety or health; all personnel are required to wear respiratory protection, in accordance with CAN/CSA Z94.4, Selection, Use, and Care of Respirators.
- .4 The Engineer will coordinate arrangements for the Contractor to be briefed on site safety within 14 days of award of Standing Offer Agreement.

1.11 SITE SIGNS AND
NOTICES

- .1 Safety and instruction signs and notices:
 - .1 Signs and notices for safety and instruction must be in both official languages. Graphic symbols must conform to latest version of "Signs and Symbols for the Workplace".

PART 2 - PRODUCTS

2.1 NOT USED

- .1 Not used.

PART 3 - EXECUTION

<u>3.1 NOT USED</u>	.1	Not used.
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PART 1 - GENERAL

- 1.1 EMERGENCY REPORTING .1 Telephone numbers for emergency reporting will be provided by the Engineer at the fire safety briefing.
- 1.2 FIRE SAFETY ENFORCEMENT .1 Within the confines the Base, the prescription and enforcement of mandatory fire safety measures will be exercised under the authority of the Base Fire Chief.
- .2 Comply with and enforce compliance by all Contractor personnel with all requirements of this specification section, and with the most recent edition of the National Building Code of Canada (NBC) and the National Fire Code of Canada (NFC), including all subsequent revisions issued by the National Research Council of Canada.
- 1.3 FIRE SAFETY BRIEFING .1 Prior to commencement of work under this Standing Offer Agreement, the Engineer will arrange a meeting of all parties concerned to review and clarify requirements for fire safety measures. This may involve a briefing by the Base Fire Chief.
- 1.4 FIRE WATCH .1 For hot work activity, the Contractor will provide the service of fire-watch persons on a scale and schedule as prescribed by the Base Fire Chief at the time of issuance of the hot work permit.
- 1.5 FIRE EXTINGUISHERS .1 Supply fire extinguishers, as scaled by the Base Fire Chief, necessary to protect work in progress and Contractor's physical plant on site.
- 1.6 SMOKING PRECAUTIONS .1 Smoking not permitted on DND property except in designated smoking areas. This includes smoking in passenger motor vehicles.
- .2 In accordance with these fire safety requirements particular to the work area and site, the Engineer and Base Fire Chief will designate hazardous areas as well as non-restricted areas where smoking may be permitted.
- .3 Smoking is prohibited in all buildings.
- .4 In all other areas, exercise care and comply with written or oral directives of the Engineer for the use of smoking materials.

1.7 REPORTING FIRES

- .1 Report immediately all fire incidents as follows:
 - .1 activate nearest fire alarm box; or
 - .2 dial 9-1-1 or designated number given at the time of briefing; and
 - .3 telephone the Engineer.
- .2 Person activating fire alarm must remain at the alarm to direct the Fire Department to the scene of the fire.
- .3 When reporting fire by telephone, give location of fire, name and number of building and be prepared to direct the Fire Department to the scene of the fire.

1.8 INTERIOR AND EXTERIOR FIRE PROTECTION AND ALARM SYSTEMS

- .1 Notify Base Fire Chief at least 48 hours prior to scheduling any work that may require fire alarm and / or protection systems to be:
 - .1 obstructed in any way;
 - .2 shut-off; and / or
 - .3 left inactive at end of working day or shift without authorization from Base Fire Chief.
- .2 Do not commence any such work until Engineer confirms approval and direction by the Base Fire Chief.
- .3 Fire hydrants, standpipes and hose systems will not be used for other than fire fighting purposes unless authorized by the Engineer and the Base Fire Chief.

1.9 BLOCKAGE OF ACCESS FOR FIRE APPARATUS

- .1 Advise Base Fire Chief of work that would impede fire apparatus response. This includes violation of minimum overhead clearance, as prescribed by the Base Fire Chief, erecting of barricades and digging of trenches.

1.10 RUBBISH AND WASTE MATERIALS

- .1 Keep rubbish and waste materials at minimum quantities.
- .2 Storage:
 - .1 Where it is necessary to store oily waste in work areas exercise extreme care to ensure maximum possible safety and cleanliness.

1.10 RUBBISH AND WASTE
MATERIALS

(Cont'd)

- .2 (Cont'd)
 - .2 Deposit greasy or oily rags and materials subject to spontaneous combustion in approved receptacles approved by the Base Fire Chief and removed as directed by the Engineer.
- .3 Burning of rubbish is prohibited.
- .4 Removal:
 - .1 Remove rubbish from work site at end of work day or shift or as directed by the Engineer.

1.11 FLAMMABLE AND
COMBUSTIBLE LIQUIDS

- .1 Handling, storage and use of flammable and combustible liquids governed by current National Fire Code of Canada and guided by the requirements established by the Base Fire Chief.
- .2 Keep flammable and combustible liquids such as gasoline, kerosene and naphtha for ready use in quantities not exceeding 30 litres provided they are stored in approved safety cans bearing Underwriters' Laboratory of Canada or Factory Mutual seal of approval. Storage of quantities of flammable and combustible liquids exceeding 30 litres for work purposes requires permission of Base Fire Chief.
- .3 The Engineer reserves the right to require removal from the site any storage containers not acceptable to the Base Fire Chief.
- .4 Transfer of flammable and combustible liquids is prohibited within buildings or jetties.
- .5 Transfer of flammable and combustible liquids will not be carried out in vicinity of open flames or any type of heat producing devices.
- .6 Do not use flammable liquids having flash point below 38 degrees C such as naphtha or gasoline as solvents or cleaning agents.
- .7 Store flammable and combustible waste liquids, for disposal, in approved containers located in safe ventilated area. Keep quantities minimum and Base Fire Department is to be notified when disposal is required.

1.12 HAZARDOUS
SUBSTANCES

- .1 Work entailing use of toxic or hazardous materials, chemicals and / or explosives, or otherwise creating hazard to life, safety or health, in accordance with National Fire Code of Canada, and measures prescribed by the Base Fire Chief.
- .2 Obtain from Base Fire Chief a "hot work" permit for work involving welding, burning or use of blowtorches and salamanders, in buildings or facilities.
- .3 When Work is carried out in dangerous or hazardous areas involving use of heat, provide fire watchers equipped with sufficient fire extinguishers. Determination of dangerous or hazardous areas along with level of protection necessary for fire watch is at discretion of Base Fire Chief. Contractors are responsible for providing fire watch service for work on scale established and in conjunction with Base Fire Chief at pre-work conference.
- .4 Provide ventilation where flammable liquids, such as lacquers or urethanes are used, eliminate sources of ignition. Inform Base Fire Chief prior to and at cessation of such work.

1.13 FIRE INSPECTION

- .1 Co-ordinate site inspections by Base Fire Chief through Engineer.
- .2 Allow Base Fire Chief unrestricted access to work site.
- .3 Co-operate with Base Fire Chief during routine fire safety inspection of work site.
- .4 Immediately remedy unsafe fire situations observed by Base Fire Chief.

PART 2 - PRODUCTS

2.1 NOT USED

- .1 Not used.

PART 3 - EXECUTION

3.1 NOT USED

- .1 Not used.

PART 1 - GENERAL

1.1 GENERAL

- .1 The Contractor must ensure that all their personnel are familiar with these regulations and requirements.
- .2 The following is a summary the security, safety and fire regulations Canadian Forces Ammunition Depot (CFAD) Bedford, as promulgated by the Base Commander of CFB Halifax and administered by the Superintendent CFAD Bedford, NS.
- .3 Contractor's personnel will be subject to all of the regulations while working within confines of CFAD Bedford.

1.2 PRE JOB SECURITY AND SAFETY MEETING

- .1 Prior to commencement of Work, the Contractor must meet with the site security, safety and fire regulations officers. In accordance with direction of Engineer and these site officers, ensure that all employees of the Contractor are given thorough instructions on security, safety and fire precautions peculiar to an ammunition depot and that the regulations are fully complied with, at all times, by all Contractor personnel.

1.3 SECURITY PASSES

- .1 Contractors must report to the NCO I / C Commissionaires at building 153; submit names of all their personnel and description of all their vehicles to arrange the issue of the required temporary passes prior to proceeding to work within the confines of the Depot.

1.4 CONDITIONS FOR ACCESS

- .1 All visitors will be issued a daily and will be required to sign acknowledgement that they are aware of and consent to the following conditions for access.
- .2 The person to whom this pass is issued agrees to return the pass to the security guard at the gate when the Contract or employment at CFAD Bedford expires.
- .3 All vehicles entering and leaving CFAD Bedford may be searched to ensure that no prohibited articles are taken into nor contraband articles are taken out of the ammunition depot.

1.5 FIRE SERVICE CFAD
BEDFORD

- .1 Fire service at CFAD Bedford is provided by the DND Fire Service from 0730 until 1600 hours, Monday to Friday. All Contract work will be ended by 1530 hours daily. Fire response at all other times is provided by HRM. Before any work is carried out during silent hours, the Dockyard Platoon Chief must be contacted at 427-0550, local 3500.

1.6 SEARCHES

- .1 The Canadian Corps of Commissionaires may conduct a personal search of individuals at any time within the Ammunition Depot. Vehicles entering or leaving the Depot may be searched to ensure that contraband articles are not taken into the explosives area and that property is not taken out without authorization.

1.7 ALARMS

- .1 Depot Alarms:
 - .1 A siren is sounded only in the event of an emergency such as a fire, explosion, thunderstorm or evacuation. A siren is also sounded to signify "All Clear".
- .2 Fire Emergency:
 - .1 A series of "Hi-Lo" sounds on the Depot alarm system signifies an emergency in the explosive area. Contractors must cease operations and proceed in their own vehicles to the nearest exit gate out of the explosive area. If no vehicle available proceed to the nearest "Fire Assembly Point" at buildings 169 or 143.
- .3 Thunder and Lightning:
 - .1 A series of "Beeps" on the Depot alarm system signifies a thunder / lightning storm warning. Contractors must cease operations and proceed in their own vehicles to the nearest exit gate out of the explosive area. If no vehicle available proceed to the nearest "Fire Assembly Point" at buildings 169 or 143.
- .4 Evacuation:
 - .1 A series of "Slow Whoops" on the Depot alarm system signifies that evacuation in the explosive area has been ordered by the Superintendent. The evacuation could be extended to include the non-explosive area as well as so ordered by the Superintendent.
- .5 All Clear:

1.7 ALARMS
(Cont'd)

- .5 (Cont'd)
.1 A continuous blast on the Depot alarm system signifies that the emergency situation is "All Clear".

1.8 REPORTING OF FIRES

- .1 All fires, regardless of whether they have been extinguished or not, must be reported immediately to the Base Fire Department.
- .2 All Contractors and employees must familiarize themselves with the locations of the nearest fire alarm box or telephone.
- .3 Fires may be reported by ringing the nearest street alarm box or by telephoning 9-1-1. Persons reporting the fire must remain at the alarm box or telephone until the Fire Department arrives and be prepared to direct fire fighters to the scene of the fire.

1.9 PROHIBITED ARTICLES

- .1 The following articles are prohibited and / or controlled from being taken inside the explosive area. Permission by the Superintendent may be granted for certain articles:
- .1 matches or other flame producing equipment (including vehicle lighters);
- .2 pipes, smoking appliances, tobacco products, or smoking materials in any form;
- .3 explosives or chemicals;
- .4 lights, lamps or electrical devices / tools which are not explosion proof;
- .5 cameras;
- .6 food and drink; and
- .7 radio transmitting devices (i.e. mobile radios, cellular phone phones, remote car starters, and garage door openers, etc).
- .2 No persons will introduce, possess or consume alcoholic beverages, narcotics or any intoxicant within the confines of the Ammunition Depot.
- .3 The site security officers will seize and hold at the gate, any such materials found by search.

1.10 SAFETY AND FIRE
REGULATIONS

- .1 Smoking:
 - .1 Is strictly prohibited in explosive areas.
- .2 Buildings:
 - .1 Smoking is prohibited in all buildings.
- .3 Safety Precautions Electrical / Electronic Equipment:
 - .1 All personnel operating or maintaining electrical / electronic equipment involving the use of voltage higher than 50 V must brief the site safety and fire safety officers concerning all safety rules in the operating and instructional manuals covering the equipment.
- .4 Flammables, Explosives or Chemicals:
 - .1 As required, may be allowed into the explosive area provided that the Depot Safety Officer and the Depot Fire Department are made aware of this and that approval by the Superintendent is given. These items after approval may be transported by the Contractors provided the transportation route is known by the Depot Fire Department and adequate fire extinguishers are available.
- .5 Open Flame or Welding:
 - .1 Prior approval must be obtained before commencing any work involving cutting, welding or use of open flame appliances in or around buildings containing explosives. The Fire Safety Officer will check out the work area and ensure that adequate fire extinguishers and first aid appliances are available and that fire watchers have been posted.
- .6 Fuel Dispensing Containers:
 - .1 Contractors must ensure that all of their fuel dispensing containers meet or exceed the following standards:
 - .1 type II safety container, leakproof, Terne plate construction, UL listed and FM approved;
 - .2 container must have spring-operated spout cap which opens to allow vapours to escape and self closes on release of internal pressures;

1.10 SAFETY AND FIRE
REGULATIONS
(Cont'd)

- .6 (Cont'd)
- .1 (Cont'd)
- .3 container must have flexible or rigid built-in metal dispensing nozzle to prevent static sparks;
- .4 standard of Acceptance: Protectoseal, model nos. 247, 249, 8410 and 8420;
- .5 other acceptable products: Safe-T-Way; and
- .6 any other model must be approved by the BFC.
- .7 Violation of any of the above regulations will result in immediate cancellation of the offender's security pass and expulsion from the site.

1.11 TRAFFIC REGULATIONS

- .1 Vehicles:
- .1 All operators must adhere strictly to the following rules while proceeding through the Ammunition Depot:
- .1 drivers must not leave the motors of their vehicles running or leave the vehicles unattended when parked between buildings or traverses;
- .2 drivers must not drive vehicles in the direction opposite to that indicated by the "One-way" signs;
- .3 no one will operate a vehicle within the Depot area at a speed greater than 25 kilometres per hour at any time;
- .4 no one will operate a vehicle within the Depot area at a speed greater than 8 kilometres per hour at any time, while passing between blast walls and buildings;
- .5 no one will leave a vehicle unattended within 10 metres of a fire hydrant or within 30 metres of a building containing explosives; and
- .6 all vehicles must be equipped with a fire extinguisher of a suitable size and type so that it may be used to extinguish any fire originating in that vehicle.

1.11 TRAFFIC REGULATIONS
(Cont'd)

- .1 (Cont'd)
 - .1 (Cont'd)
 - .2 Violation of any of the above regulations will result in immediate cancellation of the offender's vehicle pass and expulsion from the site.
- .2 Roadways:
 - .1 In the event of a fire or emergency all roads and buildings within CFAD Bedford must be accessible at all times. Contractors required to disrupt roadways during the course of their work, must ensure that at least one lane of each roadway is passable, at all times. Vehicles not required to transport personnel to the nearest exit gate must be parked on the side of the road and away from the nearest building.
- .3 Fueling:
 - .1 Fueling of vehicles within the explosive areas is prohibited. Small equipment (lawn mowers, chainsaws, etc.) may be re-fueled, but only at sites designated by the Safety Officer and Fire Safety Officer. Comply with all safety practices pertaining to re-fueling hot equipment. Provide adequate fire extinguishers of types prescribed by the Fire Safety Officer. Only approved safety dispensing containers, as specified at sub-paragraph 1.10.6, will be permitted within the confines of the Ammunition Depot.
- .4 Violation of any of the above regulations will result in immediate cancellation of the vehicle pass and expulsion of the offender from the site.

PART 2 - PRODUCTS

2.1 NOT USED

- .1 Not used.

PART 3 - EXECUTION

3.1 NOT USED

- .1 Not used.

PART 1 - GENERAL

1.1 DEFINITIONS

- .1 Environmental Pollution and Damage:
 - .1 Presence of chemical, physical, biological elements or agents which adversely affect human health and welfare; unfavourably alter ecological balances of importance to human life; affect other species of importance to humans; or degrade environment aesthetically, culturally and / or historically.
- .2 Environmental Protection:
 - .1 Prevention / control of pollution and habitat or environment disruption during construction.

1.2 FIRES

- .1 Fires and burning of rubbish on site is not permitted.

1.3 DISPOSAL OF WASTE

- .1 Do not dispose of waste or volatile materials, such as mineral spirits, oil or paint thinner into waterways, storm or sanitary sewers.
- .2 Do not bury rubbish and waste materials on site.
- .3 All spills must be reported immediately to the Engineer and cleanup will be done at Contractor's expense.

1.4 DRAINAGE

- .1 Provide temporary drainage and pumping required to keep excavations and site free from water.
- .2 Ensure pumped water into waterways, sewer or drainage systems is free of suspended materials.
- .3 Control disposal or runoff of water containing suspended materials or other harmful substances in accordance with local authority requirements.

1.5 POLLUTION CONTROL

- .1 Control emissions from equipment and plant in accordance with local authorities' emission requirements.
- .2 Prevent sandblasting and other extraneous materials from contaminating air and waterways beyond application area.

<u>1.5 POLLUTION CONTROL</u> <u>(Cont'd)</u>	.2	(Cont'd)
	.1	Provide temporary enclosures where directed by Engineer.

PART 2 - PRODUCTS

<u>2.1 NOT USED</u>	.1	Not used.
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PART 3 - EXECUTION

<u>3.1 NOT USED</u>	.1	Not used.
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PART 1 - GENERAL

1.1 RELATED SECTIONS

- .1 Section 01 11 00 General Instructions.
- .2 Section 23 05 01 Mechanical General Requirements.

1.2 REFERENCES

- .1 Canada Occupational Health and Safety Regulations, Part XI (latest edition including all amendments).
- .2 Nova Scotia Occupational Health and Safety Regulations, Part 12 (latest edition including all amendments).
- .3 American Conference of Governmental Industrial Hygienists publication "Threshold Limit Values For Chemical Substances and Physical Agents and Biological Indices" (latest edition including all amendments).

1.3 DESCRIPTION

- .1 This section outlines the mandatory regulations which must be followed to ensure safe operations in and around potentially hazardous confined spaces and the emergency procedures that are to be followed.
- .2 The safety standards in this section are applicable to Contractors and consultants, their employees (including subcontractors), materials, works and buildings throughout Canadian Forces Base Halifax.
- .3 All personnel entering a confined space, acting as an observer, or as a rescuer will be thoroughly trained in all procedures in accordance with above reference, No.1.
- .4 The Contractor will be responsible for and ensure compliance with the provisions of this Section and of the Standards in above reference, No.1.

1.4 RESTRICTIONS

- .1 No Contractor, Subcontractor, Consultant, or their employee will:
 - .1 Be permitted to enter a hazardous confined space without receiving an evaluation, written in language which is understood by the employee / Contractor, concerning the level of hazard in the confined space. Entry must be made in compliance with this Section and with the requirements in reference, No.1.

1.4 RESTRICTIONS
(Cont'd)

- .1 (Cont'd)
- .2 Enter a hazardous confined space without a safe entry permit posted at the site of work and a copy on file.

1.5 DEFINITIONS

- .1 For the purpose of this section the following definitions will apply:
 - .1 Confined space:
 - .1 A tank, process vessel, underground vault, tunnel or other enclosure not designed or intended for human occupancy, except for the purpose of performing work:
 - .1 that has limited number of openings for entry and exit;
 - .2 that has poor natural ventilation;
 - .3 in which there may be an oxygen deficient atmosphere; or
 - .4 in which there may be an airborne dangerous substance.
 - .2 Dangerous substance:
 - .1 A hazardous substance or a chemical, physical or biological agent that, because of a property it possesses, is hazardous to the safety or health of a person exposed to it.
 - .3 Qualified person:
 - .1 In respect to a specified duty, a person who, because of their knowledge, training and experience is qualified to perform that duty safely and properly.
 - .4 Class of confined space:
 - .1 A group of at least two confined spaces that are likely, by reason of their similarity, to present the same hazards to persons entering, exiting or occupying them. Confined spaces are identified as Class A, B, or C by DND depending on hazard assessment.

1.5 DEFINITIONS
(Cont'd)

.1

(Cont'd)

.4 (Cont'd)

.1 Class A - Hazardous confined space:

.1 Any confined space that cannot be made safe by ventilation and maintained in this safe condition even when lock-out, blank and bleed, and all other actions have been taken.

.2 Class B - Confined space:

.1 Hazards exist but can be eliminated by ventilation, lock-out, and blank and bleed.

.3 Class C - Considered confined space:

.1 Conditions could arise to make the area a confined space.

1.6 COMMON HAZARDS

.1

Hazards common to confined spaces that Contractors must watch for are:

- .1 toxic vapours from sludge or leakage into the space;
- .2 flammable gases and vapours with potential fire or explosion hazards;
- .3 oxygen below 19.5 % or over 23 % (normal 20.9 %);
- .4 electric shock from tools, lights or other electrical equipment;
- .5 chemical burns from corrosives or injury from dermatitis producing materials;
- .6 burns from high pressure steam, hot water or fuel oil;
- .7 high pressure air;
- .8 physical hazards from slips, falls, protruding objects or falling objects; and
- .9 excess corrosion on metal components.

1.7 SAFE ENTRY PERMIT

- .1 Where the Contractor must enter a confined space, a safe entry permit must be provided to the Engineer, completed in triplicate and returned to the Engineer before access will be permitted. One copy must be posted at site of work. Original copy must be sent to the Unit General Safety Officer.

1.8 VERIFICATIONS

- .1 Prior to entering a confined space the Contractor must provide a qualified person to ensure / verify:
- .1 That there are openings for entry and exit from the confined space of sufficient size to allow the safe passage of a person using protective equipment. This opening can be:
 - .1 a manhole; or
 - .2 other clear opening.
 - .2 That the entry of any liquid or free flowing solid or hazardous material has been prevented by secure means of disconnection or by blanking off the flanges from any source of these materials. In addition, that any liquid in which the person could drown, or free flowing solid in which they could be entrapped, has been removed.
 - .3 That all electrical / mechanical equipment which may present a hazard to the person has been disconnected from it's power source, either real or residual, and has been locked out in the off position by the person entering the space. Note: The key must be held by the person who locked out the equipment until such time as the work is complete and the lock out is removed by the individual. As well, the removal of fuses is encouraged.
 - .4 Tests for oxygen levels, combustibility, and toxicity of hazardous substances (in that order) are conducted and evaluated (e.g. oxygen, explosive gases or vapours, hydrogen sulfide, and then carbon monoxide).
 - .1 Tests for oxygen levels and combustibility and toxicity must be made with a probe at the point of entry to the confined space with cover in place. If no hazard is detected the cover will then be removed.

1.8 VERIFICATIONS
(Cont'd)

- .1 (Cont'd)
- .4 (Cont'd)
 - .2 If oxygen deficient, combustible atmosphere, or toxic substances are detected, the space must not be entered until such time as the space is rendered safe through appropriate purging and ventilation.
 - .3 The entire space will then be tested for oxygen deficiency, combustibility and toxicity. Note: In the event the possibility exists for oxygen deficiency, combustible atmosphere or the presence of hazardous substances which could exceed allowable limits, despite purging and ventilation, these tests will only be conducted by a person who is wearing the required personal protective equipment (PPE) such as air supplied respirator, gloves/hand protection, harness, etc. (if tests are to be done in the confined space).
- .5 That verification, by means of tests, is conducted to ensure that the following specifications can be achieved and maintained during the duration of time the person will be in the confined space, namely:
 - .1 The concentration of any chemical agent, or combination of chemical agents in the confined space to which the person is likely to be exposed:
 - .1 will not result in a value exceeding the value for that chemical agent, or for any chemical agent in the combination of chemical agents, other than grain dust, as prescribed by reference No.2;
 - .2 will not result in an airborne grain dust, respirable and non respirable, in excess of 10 mg/m³, subject to para. 1.8.1.5.2; and
 - .3 is less than 50 percent of the lower explosive limit of the chemical agent or combination of chemical agents, subject to para. 1.8.1.5.2.
 - .2 Where a source of ignition exists the concentration does not exceed 10 percent of the lower explosive limit of the airborne chemical agent or combination of airborne chemical agents.

1.8 VERIFICATIONS
(Cont'd)

- .1 (Cont'd)
- .5 (Cont'd)
- .3 The concentration of airborne hazardous substances, other than chemical agents, in the confined space is not hazardous to the safety or health of the person.
- .4 The percentage of oxygen in the air in the confined space is not less than 19.5 percent by volume and not more than 23 percent by volume, at normal temperature.
- .6 The space has been purged and ventilated to provide and continue to provide a safe working atmosphere, and that in the event of ventilation equipment failure there is:
 - .1 Sufficient time available for the employee to escape the confined space hazard before contamination of the atmosphere.
 - .2 The ventilation equipment is either equipped with an approved alarm or monitored by an employee who is in constant attendance on the ventilation equipment and in constant contact with the worker (s) in the confined space.
- .7 The qualified person must, in a signed report, set out the results of the preceding sections, including any test results and a list of test equipment used and must ensure these results are given to the Engineer and Safety Officer.

PART 2 - PRODUCTS

2.1 EQUIPMENT

- .1 All PPE identified on the area work permit must be utilized during entry into the confined space. The appropriate PPE depends upon the nature of the exposure, and may include goggles, hardhats, safety footwear, a complete body covering or suitable breathing apparatus. It is stressed that PPE is not a substitute for proper ventilation. Where the Hazard Assessment form deems it necessary, workers must wear an emergency five minute constant air flow self contained breathing apparatus (SKAT-PAK by SCOTT) and must have an air monitoring device with them at all times while in the confined space. Contractor will supply appropriate PPE for their employees.

2.1 EQUIPMENT
(Cont'd)

- .2 A safety harness with an attached lifeline must be worn by all workers, entering a confined space: with only one manhole or opening at the top or where rescue may be difficult; or where dangerous gases, vapours, mists, fumes, dusts, oxygen deficiency or extremes of temperature are likely to be present; or where respiratory protection is necessary. The free end of the lifeline attached must be secured outside the enclosed space. The lifeline must be of sufficient length to reach from an outside support to any point of work inside the confined space, and must be of sufficient strength to bear the weight of the worker. A tripod hoist and lifting device (vertical use only) must be in place prior to and during work in the confined space. Appropriate positive pressure air supplied respiratory protection must be available at the site for use in the rescue / extraction of persons working in the space. Contractor will supply all required rescue equipment.
- .3 Minimum equipment requirement:
 - .1 Class A confined space:
 - .1 Ventilator, multi-gas detector, communication system, safety harness, retrieval system, SCBA or air line system (to be worn at all times), and duplicate equipment above kept at entrance of confined space for emergency rescue.
 - .2 Class B confined space:
 - .1 Ventilator, multi-gas detector, communication system, safety harness, retrieval system, and SCBA or air line system on hand at entrance of confined space for emergency rescue.
 - .3 Class C confined space:
 - .1 Multi-gas detector, communication system, and SCAT-PAK.

PART 3 - EXECUTION

3.1 CONDITIONS OF ENTRY

- .1 The following conditions must be met, prior to entry, so that response to any emergency can be made in the shortest time frame:
 - .1 A minimum of one person must be posted outside a confined space as an observer and must:

3.1 CONDITIONS OF ENTRY
(Cont'd)

- .1 (Cont'd)
 - .1 (Cont'd)
 - .1 have no other tasking which would detract from his function of observing the person (s) in the space;
 - .2 control the lifeline (s) attached to the person (s) in the space and ensure that the lifeline is attached to a solid object;
 - .3 be equipped with a safety harness;
 - .4 ensure continuous radio contact with the persons in the space or be able to observe the person (s) in the space (Note: radios are not to be used if combustible atmosphere is present);
 - .5 have a means of summoning assistance (qualified personnel) in case of an emergency situation; and
 - .6 be trained in rescue procedures and Standard First Aid.
 - .2 In addition to the observer, for Class A confined spaces, an additional individual (a rescuer) must be present at the entrance to the confined space. The individual must:
 - .1 be wearing all required PPE including harness, lifeline and positive pressure air supplied respiratory protection (where required);
 - .2 be present at all times when person (s) are working in the confined space;
 - .3 be trained in rescue procedures and Standard First Aid; and
 - .4 must not enter the space unless to rescue the person (s) working in the space and only after additional assistance has been summoned and all required protective equipment is worn.

3.1 CONDITIONS OF ENTRY
(Cont'd)

- .1 (Cont'd)
- .2 (Cont'd)
- .3 In the event that the observer or the additional person (rescuer, if present) is required to leave the entrance to the space, the space must be vacated by those working in it until such time as the observer and the additional person return. Before re-entering the confined space, the conditions set out in para 1.7 and 1.8 must be followed.
- .4 The minimum number of persons present during entry into and work in a confined space must be three (3) for Class A confined spaces (worker, observer, and rescuer) and two (2) for Class B and C confined spaces (the worker and the observer). Where conditions warrant, an additional person to respond in emergencies is required.
- .5 The contact for additional assistance will be DND Fire Department at local 427-3333.
- .6 No person will enter any confined space for the purpose of rescuing an individual until they are wearing all required PPE including positive pressure air supplied respiratory protection and an observer is on site.

3.2 TESTING &
MAINTENANCE OF
EQUIPMENT

- .1 All testing equipment, safety harnesses, lifelines, breathing apparatus, ventilation equipment and any other equipment used in connection with entry into a confined space by the Contractor will be inspected, maintained and tested by a qualified person as frequent as is necessary to ensure that it is in safe condition for use at all times, but not less frequent than is recommended by the manufacturer or as directed in writing by the Engineer or Safety Officer.

3.3 REGULATIONS

- .1 In the event of conflict or discrepancy between this Section and the source documents (Canada Occupational Health and Safety Regulations, Part XI, and NS Health and Safety Regulations, Part 12, including all amendments) the more stringent requirements will apply.

PART 1 - GENERAL

1.1 PROJECT CLEANLINESS

- .1 Maintain Work in tidy condition, free from accumulation of waste products and debris, other than that caused by Owner or other Contractors.
- .2 Remove waste materials from site at daily regularly scheduled times or dispose of as directed by Engineer. Do not burn waste materials on site.
- .3 Make arrangements with and obtain permits from authorities having jurisdiction for disposal of waste and debris.
- .4 Solid waste materials that are generated within Halifax Regional Municipality (HRM) and do not require specialized out of county disposal sites must be disposed of within the boundaries of the HRM at a licensed or approved facility as per bylaw S-600.
- .5 Clean interior areas prior to start of finishing work, and maintain areas free of dust and other contaminants during finishing operations.
- .6 Store volatile waste in covered metal containers, and remove from premises at end of each working day.
- .7 Provide adequate ventilation during use of volatile or noxious substances. Use of building ventilation systems is not permitted for this purpose.
- .8 Use only cleaning materials recommended by manufacturer of surface to be cleaned, and as recommended by cleaning material manufacturer.
- .9 Schedule cleaning operations so that resulting dust, debris and other contaminants will not fall on wet, newly painted surfaces nor contaminate building systems.

1.2 FINAL CLEANING

- .1 When Work is Substantially Performed remove surplus products, tools, construction machinery and equipment not required for performance of remaining Work.
 - .2 Remove waste products and debris other than that caused by others, and leave Work clean and suitable for occupancy.
 - .3 Prior to final review remove surplus products, tools, construction machinery and equipment.
-

1.2 FINAL CLEANING
(Cont'd)

- .4 Remove stains, spots, marks and dirt from decorative work, electrical and mechanical fixtures, furniture fitments, walls, and floors.
- .5 Inspect finishes, fitments and equipment and ensure specified workmanship and operation.
- .6 Remove dirt and other disfiguration from exterior surfaces.
- .7 Sweep and wash clean paved areas.
- .8 Remove debris and surplus materials from crawl areas and other accessible concealed spaces.

PART 2 - PRODUCTS

2.1 NOT USED

- .1 Not used.

PART 3 - EXECUTION

3.1 NOT USED

- .1 Not used.

PART 1 - GENERAL

1.1 RELATED SECTIONS

- .1 Section 01 11 00 General Instructions.
- .2 Section 01 35 73 Confined Spaces Requirements.

1.2 REFERENCE STANDARDS

- .1 All work must conform to the Canadian Welding Bureau and following standards:
 - .1 American Society for Testing and Materials (ASTM)
 - .1 ASTM A53/A53M, Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
 - .2 ASTM A105/A105M, Standard Specification for Carbon Steel Forgings for Piping Applications.
 - .3 ASTM A181/A181M, Standard Specification for Carbon Steel Forgings, for General-Purpose Piping.
 - .4 ASTM A193/A193M, Standard Specification for Alloy-Steel and Stainless Steel Bolting for High Temperature Service or High Pressure Service and other Special Purpose Applications.
 - .5 ASTM A194/A194M, Standard Specification for Carbon Steel, Alloy Steel, and Stainless Steel Nuts for Bolts for High Pressure or High Temperature Service, or Both.
 - .6 ASTM A234/A234M, Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service.
 - .7 ASTM A307, Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60,000 PSI Tensile Strength.
 - .2 American Society of Mechanical Engineers (ASME)
 - .1 ANSI B2.1, Pipe Threads (Except Dry Seal).
 - .2 ASME B1.20.1, Pipe Threads, General Purpose (Inch).

1.2 REFERENCE STANDARDS
(Cont'd)

.1

(Cont'd)

.2

(Cont'd)

- .3 ASME B1.20.2M, Pipe Threads, 60 deg. General Purpose (Metric).
- .4 ASME B16.3, Malleable Iron Threaded Fittings: Classes 150 and 300.
- .5 ASME B16.5, Pipe Flanges and Flanged Fittings: NPS 1/2 through NPS 24 Metric / Inch Standard.
- .6 ASME B16.9, Factory-Made Wrought Buttwelding Fittings.
- .7 ASME B16.10, Face-to-Face and End-to-End Dimensions of Valves.
- .8 ASME B16.11, Forged Fittings, Socket-Welding and Threaded.
- .9 ASME B16.14, Ferrous Pipe Plugs, Bushings, and Locknuts with Pipe Threads.
- .10 ASME B16.21, Nonmetallic Flat Gaskets for Pipe Flanges.
- .11 ASME B16.25, Buttwelding Ends.
- .12 ASME B18.2.1, Square, Hex, Heavy Hex, and Askew Head Bolts and Hex, Heavy Hex, Hex Flange, Lobed Head, and Lag Screws (Inch Series).
- .13 ASME B18.2.2, Nuts for General Applications: Machine Screw Nuts, Hex, Square, Hex Flange, and Coupling Nuts (Inch Series).
- .14 ASME BPVC-IX-2017, 2017 ASME Boiler and Pressure Vessel Code, Section IX: Welding and Brazing Qualifications.
- .15 ASME BPVC-VI-2017, 2017 ASME Boiler and Pressure Vessel Code, Section VI: Recommended Rules for the Care and Operation of Heating Boilers.

.3

American Welding Society (AWS)

.1

AWS A5.2/A5.2M, Specification for Carbon and Low Alloy Steel Rods for Oxyfuel Gas Welding.

1.2 REFERENCE STANDARDS
(Cont'd)

- .1 (Cont'd)
 - .3 (Cont'd)
 - .2 AWS A5.5/A5.5M, Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding.
 - .3 AWS B3.0, Standard Qualification Procedure.
 - .4 Canadian Standards Association Standard (CSA)
 - .1 CSA B51, Boiler, pressure vessel, and pressure piping code.
 - .2 CSA W48.1, Carbon Steel Covered Electrodes for Shielded Metal Arc Welding.
 - .3 CSA W48.3, Low Alloy Steel Covered Electrodes for Shielded Metal Arc Welding.
 - .5 Manufacturer's Standardization Society (MSS)
 - .1 Pipe Hangers and Supports - Materials, Design, Manufacture, Selection, Application, and Installation.

1.3 EQUIPMENT INCLUDED

- .1 Equipment included in this Stanging Offer Agreement consist of the Base central heating plants boilers, Base steam distribution systems, small commercial boilers, and all associated equipment and piping.
- .2 Location of systems:
 - .1 Windsor Park - WP62 Central Heating Plant;
 - .2 Stadacona - S11 Central Heating Plant;
 - .3 HMC Dockyard - D62 Central Heating Plant;
 - .4 Naval Armament Depot (NAD) - W29 Heating Plant; and
 - .5 12 Wing Shearwater - SH349 Central Heating Plant.

1.4 WORK INCLUDED

- .1 Contractor could perform Work in this Standing Offer Agreement that includes but not limited to the following:
 - .1 oxyacetylene burning and welding;

-
- | | | |
|---------------------------------------|-----|--|
| <u>1.4 WORK INCLUDED
(Cont'd)</u> | .1 | (Cont'd) |
| | .2 | low and high pressure arc welding; |
| | .3 | testing of all welding on high pressure piping and equipment in accordance with paragraph 1.8; |
| | .4 | blacksmith work; |
| | .5 | machine shop work; |
| | .6 | steam fitting; |
| | .7 | mechanical fitting; |
| | .8 | plate work; |
| | .9 | retubing; |
| | .10 | refractory work; |
| | .11 | lagging; |
| | .12 | shop fabrication; |
| | .13 | rigging; |
| | .14 | pressure wash; |
| | .15 | boiler tube repair or replacement; and |
| | .16 | all the other mechanical trades associated to the boilers and distribution systems. |
| | | |
| <u>1.5 QUALITY ASSURANCE</u> | .1 | Regulatory Requirements: |
| | .1 | All Work must be performed in compliance with applicable Provincial Regulations. |
| | .2 | Inspections: |
| | .1 | Inspect new piping prior to hydrostatic test by authority having jurisdiction. Where Province has approved drawings, certified boiler inspector to inspect installation. |
| | .2 | Costs for inspection to be covered by Contractor. |
-

1.5 QUALITY ASSURANCE
(Cont'd)

- .3 Supply grooved joint couplings, fittings, valves, grooving tools and specialties from a single manufacturer. Use date stamped castings for coupling housings, fittings, valve bodies, for quality assurance and traceability.

1.6 WELDING

- .1 Welding to be in accordance with ASME BPVC-XI Boiler and Pressure Vessel Code.
- .2 Welding to be executed by certified pipe welders.
- .3 Pipefitting to be executed by certified pipe fitters.

1.7 SPECIALIST
EXAMINATIONS AND
TESTING

- .1 Perform examinations and tests by specialist qualified and approved by Engineer.
- .2 To ASME Boiler and Pressure Vessels Code, Section V, and requirements of authority having jurisdiction.
- .3 Arrange with the Nova Scotia Department of Labour, Occupational Health and Safety for inspection and approval of all welds. Turn over all results and approvals to Engineer.

1.8 TESTS

- .1 Welded joints in high pressure piping must be tested by gamma radiography by firm subject to the Engineer's approval.
- .2 Perform tests in accordance with ASME Boiler and Pressure Vessel Code, Section V, and to CSA B51, also to requirements of authority having jurisdiction. Contractor must bear all costs.
- .3 Perform radiographic tests over full circumference of all welds.
- .4 Radiographs must be interpreted by representative of firm carrying out radiographing. Identify each radiographic film with date, location, name of welder, and submit to Engineer. Replace film if rejected because of poor quality.
- .5 Replace welds of poor or doubtful quality and re-test to the satisfaction of the Engineer, at Contractor's expense.
- .6 The following defects will be cause for weld rejection:
 - .1 failure to meet radiographic requirements;
 - .2 welding performed by unqualified personnel;
 - .3 welds not reasonably uniform in appearance;

1.8 TESTS

(Cont'd)

- .6 (Cont'd)
 - .4 evidence of peening;
 - .5 cracks;
 - .6 oxidation of weld;
 - .7 lack of fusion;
 - .8 presence of porosity, slag inclusion or overlaps; and
 - .9 undercutting adjacent to completed.
- .7 Leak Test:
 - .1 Hydraulically test piping at 1 ½ times system pressure or at 860 kPa whatever is greater. Leak tests will be as directed at pre-job meeting.

1.9 WELDING HIGH
PRESSURE STEAM PIPING
AND FITTINGS

- .1 Prepare field bevels and shop levels by mechanical means or flame cutting in conformance with recognized standards. Clean levels of scale and oxidation just prior to welding.
- .2 Provide full penetration welds. Provide spit backing rings or spacers for field joints over 50 mm. Use welding sockets for joints 50 mm or under, conforming to ASME B16.11. Stamp welds for identification of welder.
- .3 Electrodes to be in accordance with CSA W48.1 and CSA W48.3. Store in dry, heated area free of moisture and dampness. Damaged rods and electrodes will be rejected.
- .4 Preheat to 10°C.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Materials must be new and of the best approved quality as required to complete repairs.
- .2 Replacement parts for equipment must be as recommended by the manufacturer of the equipment or as approved by the Engineer. All replacement parts to be installed in accordance with manufacturer's instruction. Provide proof of manufacturer's instructions and compliance to instructions upon Engineer's requests.

PART 3 - EXECUTION

3.1 MANUFACTURER'S
INSTRUCTIONS

- .1 Unless otherwise specified, obtain and comply with manufacturer's latest printed instructions for materials and installation methods.
- .2 Notify Engineer in writing of any conflict between these specifications and manufacturer's instructions. Engineer will designate which document is to be followed.
- .3 Provide a copy of appropriate manufacturer's instructions to the Engineer prior to installing materials or equipment.

ANNEX "C"
ANNEXE "C"



Government of Canada
Gouvernement du Canada

SEP - 6 2017

Contract Number / Numéro du contrat W010C-18-0098
Security Classification / Classification de sécurité UNCLASSIFIED

SECURITY REQUIREMENTS CHECK LIST (SRCL)
LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS)

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE

1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine National Defence	2. Branch or Directorate / Direction générale ou Direction Real Property Operations Section (Hfx)
3. a) Subcontract Number / Numéro du contrat de sous-traitance	3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant

4. Brief Description of Work / Brève description du travail
Work under this Standing Offer comprises the furnishing of all labour, material, tools, equipment and transportation required for welding emergencies and operating repairs to boilers, plant equipment and related distribution systems.

5. a) Will the supplier require access to Controlled Goods?
Le fournisseur aura-t-il accès à des marchandises contrôlées? ☒ No / Non ☐ Yes / Oui

5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations?
Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques? ☒ No / Non ☐ Yes / Oui

6. Indicate the type of access required / Indiquer le type d'accès requis

6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets?
Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS?
(Specify the level of access using the chart in Question 7. c)
(Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c) ☒ No / Non ☐ Yes / Oui

6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted.
Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé. ☐ No / Non ☒ Yes / Oui

6. c) Is this a commercial courier or delivery requirement with no overnight storage?
S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit? ☒ No / Non ☐ Yes / Oui

7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès

Canada <input type="checkbox"/>	NATO / OTAN <input type="checkbox"/>	Foreign / Étranger <input type="checkbox"/>
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7. b) Release restrictions / Restrictions relatives à la diffusion

No release restrictions Aucune restriction relative à la diffusion <input type="checkbox"/>	All NATO countries Tous les pays de l'OTAN <input type="checkbox"/>	No release restrictions Aucune restriction relative à la diffusion <input type="checkbox"/>
Not releasable À ne pas diffuser <input type="checkbox"/>		
Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays: <input type="checkbox"/>	Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays: <input type="checkbox"/>	Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays: <input type="checkbox"/>

7. c) Level of information / Niveau d'information

PROTECTED A PROTÉGÉ A <input type="checkbox"/>	NATO UNCLASSIFIED NATO NON CLASSIFIÉ <input type="checkbox"/>	PROTECTED A PROTÉGÉ A <input type="checkbox"/>
PROTECTED B PROTÉGÉ B <input type="checkbox"/>	NATO RESTRICTED NATO DIFFUSION RESTREINTE <input type="checkbox"/>	PROTECTED B PROTÉGÉ B <input type="checkbox"/>
PROTECTED C PROTÉGÉ C <input type="checkbox"/>	NATO CONFIDENTIAL NATO CONFIDENTIEL <input type="checkbox"/>	PROTECTED C PROTÉGÉ C <input type="checkbox"/>
CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>	NATO SECRET NATO SECRET <input type="checkbox"/>	CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>
SECRET SECRET <input type="checkbox"/>	COSMIC TOP SECRET COSMIC TRÈS SECRET <input type="checkbox"/>	SECRET SECRET <input type="checkbox"/>
TOP SECRET TRÈS SECRET <input type="checkbox"/>		TOP SECRET TRÈS SECRET <input type="checkbox"/>
TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>		TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>



PART A (continued) / PARTIE A (suite)

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS? ☒ No / Non ☐ Yes / Oui
- If Yes, indicate the level of sensitivity:
Dans l'affirmative, indiquer le niveau de sensibilité :

9. Will the supplier require access to extremely sensitive INFOSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate? ☒ No / Non ☐ Yes / Oui

Short Title(s) of material / Titre(s) abrégé(s) du matériel :

Document Number / Numéro du document :

PART B - PERSONNEL (SUPPLIER) / PARTIE B - PERSONNEL (FOURNISSEUR)

10. a) Personnel security screening level required / Niveau de contrôle de la sécurité du personnel requis

- | | | | |
|---|---|---|--|
| <input checked="" type="checkbox"/> RELIABILITY STATUS
COTE DE FIABILITÉ | <input type="checkbox"/> CONFIDENTIAL
CONFIDENTIEL | <input type="checkbox"/> SECRET
SECRET | <input type="checkbox"/> TOP SECRET
TRÈS SECRET |
| <input type="checkbox"/> TOP SECRET - SIGINT
TRÈS SECRET - SIGINT | <input type="checkbox"/> NATO CONFIDENTIAL
NATO CONFIDENTIEL | <input type="checkbox"/> NATO SECRET
NATO SECRET | <input type="checkbox"/> COSMIC TOP SECRET
COSMIC TRÈS SECRET |
| <input type="checkbox"/> SITE ACCESS
ACCÈS AUX EMPLACEMENTS | | | |

Special comments:

Commentaires spéciaux : Escort will be provided as required IAW site USS Security protocols

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.

REMARQUE : Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10. b) May unscreened personnel be used for portions of the work?
Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail? ☒ No / Non ☐ Yes / Oui
- If Yes, will unscreened personnel be escorted?
Dans l'affirmative, le personnel en question sera-t-il escorté? ☐ No / Non ☐ Yes / Oui

PART C - SAFEGUARDS (SUPPLIER) / PARTIE C - MESURES DE PROTECTION (FOURNISSEUR)

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

11. a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED Information or assets on its site or premises?
Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS? ☒ No / Non ☐ Yes / Oui
11. b) Will the supplier be required to safeguard COMSEC information or assets?
Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC? ☒ No / Non ☐ Yes / Oui

PRODUCTION

11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises?
Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ? ☒ No / Non ☐ Yes / Oui

INFORMATION TECHNOLOGY (IT) MEDIA / SUPPORT RELATIF À LA TECHNOLOGIE DE L'INFORMATION (TI)

11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data?
Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS? ☒ No / Non ☐ Yes / Oui
11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency?
Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale? ☒ No / Non ☐ Yes / Oui



PART C - (continued) / PARTIE C - (suite)

For users completing the form manually use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.

Les utilisateurs qui remplissent le formulaire manuellement doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

For users completing the form online (via the Internet), the summary chart is automatically populated by your responses to previous questions.

Dans le cas des utilisateurs qui remplissent le formulaire en ligne (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

SUMMARY CHART / TABLEAU RÉCAPITULATIF

Category Catégorie	PROTECTED PROTÉGÉ			CLASSIFIED CLASSIFIÉ			NATO				COMSEC					
	A	B	C	CONFIDENTIAL CONFIDENTIEL	SECRET	TOP SECRET TRÈS SECRET	NATO RESTRICTED NATO DIFFUSION RESTREINTE	NATO CONFIDENTIAL NATO CONFIDENTIEL	NATO SECRET	COSMIC TOP SECRET COSMIC TRÈS SECRET	PROTECTED PROTÉGÉ			CONFIDENTIAL CONFIDENTIEL	SECRET	TOP SECRET TRÈS SECRET
											A	B	C			
				Information / Assets Renseignements / Biens Production	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IT Media / Support TI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IT Link / Lien électronique	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?

La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE?

☒ No
Non

☐ Yes
Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".

Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire.

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?

La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE?

☒ No
Non

☐ Yes
Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).

Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire et indiquez qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).