



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada

1713 Bedford Row

Halifax, N.S./Halifax, (N.É.)

Halifax

Nova Scotia

B3J 1T3

Bid Fax: (902) 496-5016

REQUEST FOR PROPOSAL DEMANDE DE PROPOSITION

**Proposal To: Public Works and Government
Services Canada**

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

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

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

Comments - Commentaires

THERE IS A SECURITY REQUIREMENT
ASSOCIATED WITH THIS REQUEST FOR
PROPOSALS.

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.É.)

Halifax

Nova Scot

B3J 1T3

Title - Sujet 3D Additive Printer System	
Solicitation No. - N° de l'invitation W355B-209138/A	Date 2019-10-11
Client Reference No. - N° de référence du client W355B-20-9138	
GETS Reference No. - N° de référence de SEAG PW-\$HAL-409-10798	
File No. - N° de dossier HAL-9-83099 (409)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-11-25	Time Zone Fuseau horaire Atlantic Standard Time AST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Taylor, Kathie	Buyer Id - Id de l'acheteur hal409
Telephone No. - N° de téléphone (902) 403-4837 ()	FAX No. - N° de FAX (902) 496-5016
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF NATIONAL DEFENCE BLDG D200 DR 13 7HD HALIFAX NOVA SCOTIA B3K5X5 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

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

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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

1. Before award of a contract, the following conditions must be met:
 - (a) the Bidder must hold a valid organization security clearance as indicated in Part 6 - Resulting Contract Clauses;
 - (b) the Bidder's proposed individuals requiring access to classified or protected information, assets or sensitive work sites must meet the security requirements as indicated in Part 6 - Resulting Contract Clauses;
 - (c) the Bidder must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites;
2. Bidders are reminded to obtain the required security clearance promptly. Any delay in the award of a contract to allow the successful Bidder to obtain the required clearance will be at the entire discretion of the Contracting Authority.
3. For additional information on security requirements, Bidders 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.

1.2 Requirement

DND, FMF Cape Scott, Halifax, NS, has a requirement for the supply, delivery, start up and training of one (1) metal 3D Additive Printing System. Must be Desktop Metal Studio System + or equivalent. Must also include an option to purchase up to three (3) additional systems within a 12-month period after purchase of first system. Two of the optional units will be shipped to CFB Esquimalt, BC. Fully technical details contained in Annex A.

1.3 Debriefings

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

1.4 Trade Agreements

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

1.5 epost Connect service

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

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PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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

The 2003 (2019-03-04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.1.1 SACC Manual Clauses

B3000T Equivalent Products (2006-06-16)

2.2 Submission of Bids

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

Bid Receiving Unit

Public Works and Government Services Canada

1713 Bedford Row

Halifax, NS B3J 1T3

Facsimile number: 902-496-5016

ePost: TPSGC.RARceptionSoumissionsNE-ARBidReceivingNS.PWGSC@tpsgc-pwgsc.gc.ca

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions 2003, or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than seven (7) calendar days before the bid closing date. Enquiries received after that time may not be answered.

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

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eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

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

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

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. Bidders must provide their bid in a single transmission. The epost Connect service has the capacity to receive multiple documents, up to 1GB per individual attachment.

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications
Section IV: Additional Information

If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (**two hard copies**)
Section II: Financial Bid (one hard copy)
Section III: Certifications (one hard copy)

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

If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

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

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

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

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green](#)

Procurement (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, Bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work, as fully detailed in Annex A.

Section II: Financial Bid

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

3.1.1 Electronic Payment of Invoices – Offer

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

If Annex “D” 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.

Section III: Certifications

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

3.2 SACC Manual Clauses

B100T Condition of Material (2014-06-26)

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

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

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

- a.) Fully detailed in Annex A. **The vendor must, as part of the bid submission, submit documentation clearly indicating the vendor's experience, in the provision of similar start-up services and site training.**

4.1.2 Financial Evaluation

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The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, DDP Incoterms 2000, Canadian customs duties and excise taxes included, where applicable.

4.2 Basis of Selection

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

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

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

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

5.1 Certifications Required with the Bid

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

5.1.1 Integrity Provisions - Declaration of Convicted Offences

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

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

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

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "[FCP](#)"

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Limited Eligibility to Bid" list available at the bottom of the page of the Employment and Social Development Canada (ESDC) - Labour's website (http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969).

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

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Security Requirements

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

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
 - b) Industrial Security Manual (Latest Edition).

6.2 Requirement

The Contractor must provide the items detailed under the "Requirement" at Annex A.

6.3 Standard Clauses and Conditions

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

6.3.1 General Conditions

2010A (2018-06-21), General Conditions - Goods (Medium Complexity) apply to and form part of the Contract.

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6.4 Term of Contract

6.4.1 Delivery Date

Please provide best delivery: _____

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Kathie Taylor
Supply Officer
Public Works and Government Services Canada
Acquisitions Branch
1713 Bedford Row
Halifax, NS B3J 3C9
Telephone: 902-403-4837
Facsimile: 902-496-5016
E-mail address: kathie.taylor@pwgsc.gc.ca

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

6.5.2 Project Authority

The Project Authority for the Contract is: (to be inserted at contract award)

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: _____
Facsimile: _____
E-mail address: _____

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

6.5.3 Contractor's Representative (please complete)

Name: _____

Title: _____

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Organization: _____

Address: _____

Telephone: _____

Facsimile: _____

E-mail address: _____

6.6 Payment

6.6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a *firm price for a cost of \$ _____ (to be inserted at contract award)*. Customs duties are excluded and Applicable Taxes are extra.

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.

6.6.2 Method of Payment

H1001C (2008-05-12) Multiple Payment

6.6.3 Electronic Payment of Invoices - Contract

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);
- f. Large Value Transfer System (LVTS) (Over \$25M)

6.7 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
 - a. The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.

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6.8 Certifications and Additional Information

6.8.1 Compliance

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

6.09 Applicable Laws

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

6.10 Priority of Documents

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

- (a) the Articles of the Agreement;
- (b) the general conditions 2010A (2018-06-21);
- (c) Annex A, Statement of Requirement;
- (d) the Contractor's bid dated _____

6.11 SACC Manual Clauses

G1005C Insurance Requirements (2008-05-12)
B1501C (2018-06-21) Electrical Equipment

ANNEX A

Requirement

1.0 GENERAL DESCRIPTION:

- a. DND, Fleet Maintenance Facility Cape Scott (FMFCS) have a requirement for the supply, installation, start-up and operators training of one (1) new metal 3D Additive Printing System suitable for printing complex metal parts in ferrous, and non-ferrous metals to required precise tolerances for military grade components. The base system is to provide flexibility and be capable of upscaling to increase system productivity if required at a future date.
- b. The vendor must furnish all labor, materials, equipment, software and incidentals required to install, field test, complete and make ready for service as required a metal 3D Additive Printing System to achieve owner's requirements as stated. The successful bidder will be required to visit the site prior to manufacturing of the equipment to ensure that the chosen installation location is compatible with the future equipment installation and to identify any additional requirements.
- c. The metal 3D Additive Printing System is to be delivered to site in a single shipment ready for installation. A vendor representative will be present to receive, unload and assemble the system ready for production. The owner may elect to provide observers to monitor the system assembly. All new material is not to be brought to site until the day of install. Owner will not be responsible for storage or loading / unloading of vendor material prior to this date.
- d. FMFCS must be given the option to purchase an additional one to three additive printing systems of the same requirements on an as required basis for a duration of up to 12 months from the date of receiving the first operating system.

2.0 Mandatory Minimum Specifications:

(All dimensions are in Metric units of measure unless otherwise noted.)

- a. FMFCS reserves the right to verify that all of the mandatory specifications are met prior to the award of contract. This verification shall include a review of technical information from the metal 3D Additive Printing System machine manufacturer. Technical information that cannot be verified from the submitted technical data must have an accompanying letter(s) signed by a Professional Engineer employed by the Manufacture verifying the technical information.
- b. As a minimum, the system must not use lasers in the manufacturing process. Metallic powders for feed stock are not acceptable. The system must be of one manufacturer with no third-party equipment, external ventilation or special facilities required.
- c. Specifications found not to meet FMFCS requirements will result in a non-compliant bid, and if found after contract award may result in termination of contract.

2.1) System Specifications:

- a. The system must be the Studio System+ model manufactured by Desktop Metals, **or equivalent**.

2.2) **Printer Specifications:**

Technology

- | | |
|------------------------|------------------------|
| • Printer technology | Bound Metal Deposition |
| • Support Technology | Separable Supports |
| • Interface Technology | Ceramic Release Layer |

Performance

- | | |
|----------------------|--|
| • Maximum Build Rate | >15 cm ³ /hr |
| • Layer Height | <55 µm (high resolution printhead)
100-220 µm (standard resolution printhead) |
| • Max build weight | >6 kg |

Physical

- | | |
|-------------------------|--|
| • External Dimensions | <100 x 100 x 60 cm (H x W x D) |
| • Weight | <100 kg |
| • Build Chamber | Heated up to 50 °C |
| • Extruder Assembly | Dual quick-release print heads |
| • Build Envelope | >(25 x 15 x 15 (H x W x D) |
| • Build Plate | Heated up to 70 °C
Vacuum-enabled print bed |
| • Print sheets | Polypropylene, peel-away |
| • Build Nozzle Diameter | <0.30 mm (high resolution)
<0.50 mm (standard resolution) |
| • Power Requirements | 100-120 VAC, 50/60 Hz, 20A, 1 Phase |

Media

- | | |
|-------------------|--|
| • Media Holding | RFID-enabled, hot swappable cartridges |
| • Media Loading | Push-to-release |
| • Build Media | Bound metal rods (metal powder + wax polymer binder) |
| • Interface Media | Bound Ceramic Rods |

Platform

- | | |
|------------------------|---|
| • Network Connectivity | Wireless and Ethernet |
| • Supported file types | STL, IGES, JT, STEP, VDA-FS, U3D, VRML and native
File types (SolidWorks, ProE, etc) |
| • Software | Fabricate™ Software or fully compatible equivalent |

2.3) **Debinder Specifications:**

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Physical

- External Dimensions <105 x 75 x 65 cm (H x W x D)
- Height <105 cm (closed)
<200 cm (open)

- Weight 150 kg
- Max Fluid Volume <20 L (Processing Tank)
- Max Fluid Volume <25 L (Storage Tank)
- Workload Envelope 30 x 20 x 20 (H x W x D)
- Workholding Stainless steel basket with adjustable tray(3 levels min)
- Vapor Management Low emission design
Vapor-tight tank lid

- Binder Management Disposable binder waste canister
- Fail Safes Over Temperature Shutoff Control
High vapor pressure shutoff control

- Power Requirements 100-120 VAC, 50/60 Hz, 20A, 1 Phase
NEMA 5-20 plug

- Onboard Control 7-inch or larger touchscreen display
- Mobility Swivel casters with adjustable levelling locks

Solvent

- Solvent Proprietary debind fluid
- Chemical Properties Provide MSDS
- Fluid Management Automatic distillation and recycling

Platform

- Network Connectivity Wireless and Ethernet
- Software Fabricate™ Software or fully compatible equivalent
- Automation
 - Automatic 2D nesting with part placement instructions
 - Fluid level monitoring
 - Auto-generated custom debind cycle

2.4) Furnace Specifications:

Performance

- Atmosphere partial-pressure sintering (vacuum-enabled)
- Heating SiC heating elements (4 sides)
- Max Temperature 14000 °C
- Average Heat Load 8,100 BTU/hr
- Max Heat Load 15,600 BTU/hr for 2 hours
- Thermal Uniformity ±5 °C at sintering temperatures

Physical

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- External Dimensions <165 x 140 x 80 cm
- Height <165 cm (closed)
<225 cm (open)
- Weight <800 kg
- Workload Envelope 30 x 20 x 20 cm
- Workholding Adjustable multi-level trays with ceramic setters
- Retort Stacking graphite rings
- Ventilation Effluent air exhaust line (0.5 inch push-to-connect)
Liquid drain line (0.5 inch push-to-connect)
- Binder Management Removable binder cold trap liner
- Pinch-point Handling Finger-safe light curtain protection
- Fail safes Thermal interlocks
Front mounted E-stop

Over temperature protection
- Onboard Control 7-inch or larger touchscreen display
- Power Requirements 208 VAC, 50/60 Hz, 30A, 3 Phase dedicated circuit
NEMA L15-30 plug (4-wire connection)

Gas

- Forming Gas Nitrogen (material – dependent)
- Gas Connection 900L on board canisters (x2)
External gas connection

Platform

- Network Connectivity Wireless and Ethernet
- Software Fabricate™ Software or fully compatible equivalent
- Automation
 - Automatic 2D nesting with part placement instructions
 - Fluid level monitoring
 - Auto-generated custom debind cycle

2.5) 3D Additive Print Media Specifications:

Performance

- Packaging Suitable for Hot-swappable media cartridges
- Stainless Steel Grade 17-4 PH
Grade 316L
- Carbon Steel H13 tool steel
AISI 4140
- Alloy Steel Alloy 625 – nickel based super alloy

2.6) Software Specifications:

- Fabricate™ - simplify model preparation and automate metal 3D printing
- Live Parts™ - applies morphogenetic principles and advanced simulation to generate optimized part design in minutes
- Fab Flow™ - for busy fabrication shops, brings communications and workflow management into a single platform.

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NOTE: FMFCS reserves the right to verify that all of the mandatory specifications are met prior to the award of contract. This verification shall include technical information from a submitted Machine Tool Manufacturers brochure. Technical information that cannot be verified from the submitted brochure must have an accompanying letter signed by a Professional Engineer employed by the Machine Tool Manufacture verifying the technical information.

2.7) Minimum Requirements for Computer to Operate Software:

FMFCS will provide a computer to run the vendor provided software. Vendor is to confirm that a system with the following characteristics is sufficient to operate their software or if additional hardware/software is required.

FMFCS Provided Computer Description	Yes/No
Operating System – MS® Windows 10 – 64 bit	
Intel® i5 Processor	
Memory – 16 Gigabyte (GB)	
Video graphics card with two (2) GB dedicated memory	
Monitor – 24 inch (in), 1920*1080p Resolution....Qty.one (1)	
Storage – 250GB free space	
Mouse – Three (3) Button Wheel Mouse	
Keyboard	

2.8) Electrical Certification:

The equipment being supplied must be certified by an acceptable electrical certified organization. The following certified organizations are acceptable:

<u>Identify which organization shall be used:</u>	
a) Canadian Standards Association (CSA),	
b) QPS/Entela,	
c) Intertek Testing Services,	
d) Underwriters Laboratories of Canada (ULC),	
e) Underwriters Laboratories Inc. (UL),	
f) Met Laboratories Inc. (MET),	
g) TUV Rheinland of North America,	
h) Quality Auditing Institute (QAI),	
i) TUV America Inc.	

NOTE: Labels from all Organizations above (with the exception of CSA and ULC), must be accompanied by a small "c" at the eight o'clock position or Canadian Standard number to indicate the product has been certified to the Canadian Standard.

Electrical equipment that is not certified by one of the above agencies can only be accepted if the equipment is "field" inspected and labelled by the Canadian Standards Association (CSA), QPS/Entela, Intertek Testing Services, MET Laboratories, TUV America Inc, and Underwriters Laboratories of Canada under the Special Inspection Program. **This inspection must take place before equipment delivery to FMF Cape Scott and a copy of verification documentation report must accompany the machine with delivery. Identify which Organization shall be used:**

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<u>Identify which organization shall be used:</u>	
a) Canadian Standards Association (CSA),	_____
b) QPS/Entela,	_____
c) Intertek Testing Services,	_____
d) Met Laboratories Inc. (MET),	_____
e) TUV America Inc.,	_____
f) Underwriters Laboratories of Canada (ULC).	_____

2.9) MATERIAL AND WORKMANSHIP:

Description of Requirements	Compliance Yes/No
SAFETY DEVICES- The machine and its controls shall be equipped with the latest and most efficient devices for the protection of the operator and equipment. Covers, guards and/or other safety devices shall not interfere with the operation of the machine.	
INTERCHANGEABILITY- To provide for replacement of worn parts, all parts bearing the same part number shall be functionally interchangeable and shall be dimensionally identical within specified tolerance limits in use by the manufacturer	
CONSTRUCTION- The machine shall be so constructed that when it is installed and connected to power it shall be ready for operation. The machine shall be constructed of new parts which are without defects and free of repairs.	
SURFACES- All surfaces of casting and forgings, molded parts, stampings and weldments shall be cleaned and free from sand, dirt, sprues, flash, scale, flux and other harmful or extraneous material. External surface edges shall be either rounded or beveled unless sharpness is required to perform a necessary function. Unless as otherwise specified herein, the condition and finish of all surfaces shall be commensurate with the manufacturer's standard commercial practice.	

3.0) Delivery, Installation and Commissioning:

Fleet Maintenance Facility Cape Scott (FMFCS) requires a "Turnkey" installation. All work is to be done during the normal work week (Monday through Friday) and business hours (8:00 hrs. to 16:00 hrs.). The following is a description of this service with FMFCS and the Contractor's responsibilities:

3.1) Fleet Maintenance Facility Cape Scott (FMFCS) responsibilities:

- a.) FMFCS have the installation area cleared of all non-essential material,
- b.) FMFCS will provide labour, forklift operator and forklift to lift the machine from the delivery vehicle and move it to its final location inside the building,
- c.) FMFCS will provide electrical connection points and nitrogen gas as required.

3.2) Vendor's responsibilities:

- b.) **NOTE:** All persons provided by the vendor are to be deemed competent by the vendor to provide leadership to unpack and assemble the equipment on site. Employees who will provide training must be approved by the manufacturer. **The vendor must, as part of the bid submission, submit documentation clearly indicating the vendor's experience, in the provision of similar start-up services and site training.**
- c.) Vendor is responsible to initiate screening and employee security clearances through Public Service & Procurement Canada (PSPC) as required in the Contract's Terms and Conditions. The time

required to obtain clearances can be significant. The vendor is required to provide proof of Security Clearance Application within two weeks receipt of contract/purchase order for equipment.

- d.) Delivery to Building D200 Fleet Maintenance Facility Cape Scott (FMFCS), CFB Halifax, Nova Scotia B3K 5X5.
- e.) The installation must include unpacking, delivery inspection, cleaning, levelling, as required by the machine,
- f.) After the Vendors and FMFCS final acceptance of the installation, start up, maintenance and operator training shall commence. Maintenance training must be provided for a minimum of one day's duration (excluding travel to FMFCS) at our facility in FMFCS, Halifax, Nova Scotia. The dates of this service will be scheduled by DND in coordination with delivery of the machinery.
- g.) Operator training must be provided for a minimum of (4) days (excluding travel to FMFCS) at our facility in FMFCS, Halifax, Nova Scotia. The dates of this service will be scheduled by DND in accordance with acceptance of the overall installation. This training is to be provided by the equipment manufactures trained technician or Field Service Representative (FSR).
- h.) Software training must be provided for a minimum of (5) days (excluding travel to FMFCS) at our facility in FMFCS, Halifax, Nova Scotia. The dates of this service will be scheduled by DND in coordination with acceptance of the installation. This training is to be provided by the equipment manufactures trained technician or Field Service Representative (FSR).

4.0) Documentation Required

- a.) Installation drawing package for the 3D Metal Printing Machine described in this Purchase Description must include all floor mounting pad recommendations, anchoring hole description and locations, all machine services requirements: electrical, compressed air, water, etc. This drawing package must be signed by the Machine Manufacturer's Engineering representative. **This information is to be shipped to FMFCS Industrial Engineering Manager or his/her designated representative within 30 days after the acceptance of the contract to purchase.** Photocopies will not be acceptable,

- a. Manufacturer's original hard copy equipment manuals, quantity: two (2), containing:
 - i. Installation manual,
 - ii. Maintenance manual,
 - iii. Operating manual,
 - iv. Parts list,
 - v. Electrical circuit diagrams,
 - vi. Machine accuracies and test documentation,

- b. **Note:** In addition to the manufactures original hard copy, if it is the manufactures normal procedure is to supply digital documentation as well, the following information must accompany the equipment:

- c. Digital documentation manual set on CD-ROM complete/with (c/w):
 - i. Installation manual,
 - ii. Maintenance manual,
 - iii. Operating manual,
 - iv. Parts list,
 - v. Electrical Circuit Diagrams,
 - vi. Electrical circuit diagrams,

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- d. Note : A letter of permission to reprint manuals or partial sections from the supplied CD-ROMs must be hand delivered or mailed to the FMFCS Industrial Engineering Officer or his/her designated representative.

5.0) WARRANTY

The equipment shall be guaranteed to be free from manufacturing and operational defects for a period of twelve months starting from the date it is set-to-work by the vendor's representative and accepted as operationally satisfactory by the FMFCS Industrial Engineering Manager or his/her designated representative. The vendor shall be responsible for the provision of labour, parts, and field service at their own expense during the term of the warranty period and shall make good all defects within ten (10) days of being informed by Industrial Engineering Officer or his designated representative that service is required. All other warranties over and above those specified herein shall be considered valid.

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ANNEX B

Basis of Payment

The prices are in Canadian dollars, the Goods and Services Tax or the Harmonized Sales Tax excluded, DDP Incoterms 2000, Canadian Customs Duties Taxes included.

A. Firm Requirement - FMF Cape Scott (FMFCS)

Item	Description	Qty	UOI	Firm Unit Price	Extended Price
1	Complete 3D Additive Printer System as per detailed description in Annex A. Make and Model offered:	1	EA		
2	Operator training, on-site at FMFCS, for (4) days for 8 hours each day. Training is for up to twelve (12) persons.	4	DY		
3	Software training, on-site at FMFCS, for five (5) days. Training is for up to twelve (12) persons.	5	DY		
4	Extended warranty of parts and labour for additional two years	2	YR		
TOTAL A					\$

B. Optional Requirement

FMF Cape Scott (FMFCS)

DND to be able to exercise option within 12 months of contract award for delivery to FMF Cape Scott in Halifax, Nova Scotia:

Item	Description	Qty	UOI	Firm Unit Price	Extended Price
5	Complete 3D Additive Printer System as per detailed description in Annex A. Make and Model offered:	1	EA		
6	Extended warranty of parts and labour for additional two years	2	YR		

FMF Cape Breton (FMFCB)

DND to be able to exercise option within 12 months of contract award for delivery to FMF CAPE BRETON in Victoria, BC:

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Item	Description	Est. Qty	UOI	Firm Unit Price	Extended Price
7	Complete 3D Additive Printer System conforming to Minimum Mandatory Requirements, delivered Incoterms 2000 DDP destination address: Central Storage Facility Fleet Maintenance Facility, CAPE BRETON CFB Esquimalt (Dockyard) Building D250 – Door 33 1600 Esquimalt Road Victoria, BC V9A 7N2 Make and Model offered:	2	EA		
8	Operator training, on-site at FMFCB, for four (4) days for 8 hours each day. Training is for up to twelve (12) persons.	4	DY		
9	Software training, on-site at FMFCB, for five (5) days. Training is for up to twelve (12) persons.	5	DY		
10	Extended warranty of parts and labour for additional two years	2	YR		
	TOTAL B				\$
	GRAND TOTAL FOR EVALUATION PURPOSES (A+B)				\$

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ANNEX C

Cross Reference Grid

THIS FORM MUST BE COMPLETED AND SUBMITTED WITH YOUR BID.

Bidders should comment /cross reference the page number and highlight the specification in your technical data sheets or brochure to demonstrate and support your compliance for each of the Mandatory Technical Criteria.

The Bidder must address each Mandatory Technical Criteria listed below and must indicate whether the product/service offered "Meets" or "Does Not Meet".

By submitting Annex "C" Mandatory Technical Criteria, the bidder certifies the product they are offering meets and will be built as per the Mandatory Technical Criteria.

It will be to your advantage to furnish as much detail as possible to support your comments and your claims of compliance for each specification.

NOTE: The Crown is under no obligation to seek clarification of the bid(s) or the supporting technical documentation provided. Failure to meet any of the following will render your proposal non-compliant and will be given no further consideration.

NO.	SPECIFICATIONS	COMPLIANCE		COMMENT(S)/CROSS REFERENCE
		MEET	DOES NOT MEET	
2.0 b	As a minimum the system must not use lasers in the manufacturing process. Metallic powders for feed stock are not acceptable. The system must be of one manufacturer with no third-party equipment, external ventilation or special facilities required.			
2.1 a	The system must be the Studio System+ model manufactured by Desktop Metals, or equivalent .			
2.2	Printer Specifications			
2.3	Debinder Specifications			
2.4	Furnace Specifications			
2.5	3D Additive Print Media Specifications			
2.6	Software Specifications			
2.7	Minimum Requirements for Computer to Operate Software			
2.8	Electrical Certification			
2.9	Material and Workmanship			

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NO.	SPECIFICATIONS	COMPLIANCE		COMMENT(S)/CROSS REFERENCE
		MEET	DOES NOT MEET	
3	Delivery, Installation and Commissioning			
3.2	Vendor's responsibilities			
4	Documentation Required			
5	Warranty			

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ANNEX D

to PART 3 OF THE BID SOLICITATION ELECTRONIC PAYMENT INSTRUMENTS

The Bidder accepts 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);
- ☐ () Large Value Transfer System (LVTS) (Over \$25M)

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ANNEX E

SRCL

(attached)



Government of Canada
Gouvernement du Canada

Contract Number / Numéro du contrat

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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		DND		2. Branch or Directorate / Direction générale ou Direction Fleet Maintenance Facility Cape Scott	
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 Fleet Maintenance Facility Cape Scott (FMFCS) have a requirement for the supply, installation, start-up and operators training of one (1) new metal 3D Additive Printing System suitable for printing complex metal parts in ferrous, and non-ferrous metals to required precise tolerances for military grade components.					
5. a) Will the supplier require access to Controlled Goods? Le fournisseur aura-t-il accès à des marchandises contrôlées?				<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> 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?				<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> 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)				<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> Yes Oui
6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? 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.				<input type="checkbox"/> No Non	<input checked="" type="checkbox"/> 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?				<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> 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"/>	
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 : _____

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	SECRET	TOP SECRET	NATO RESTRICTED	NATO CONFIDENTIAL	NATO SECRET	COSMIC TOP SECRET	PROTECTED PROTÉGÉ			CONFIDENTIAL	SECRET	TOP SECRET
				CONFIDENTIEL	TRÈS SECRET	NATO DIFFUSION RESTREINTE	NATO CONFIDENTIEL		COSMIC COSMIC TRÈS SECRET	A	B	C	CONFIDENTIEL		TRÈS SECRET	
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"/>	<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"/>	<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"/>	<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 indiquer qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).

