

RETURN BIDS TO:

Bid Receiving - PWGSC /
 11 Laurier St.
 Place du Portage, Phase III
 Core 0B2 - Room 103
 Gatineau, Québec K1A 0S5
 Bid Fax: (819) 997-9776
 Email ePost Connect:
tpsgc.dgareceptiondessoumissions-abbidReceiving.pwgsc@tpsgc-pwgsc.gc.ca

**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 au: Travaux Publics et Services Gouvernementaux Canada

Nous offrons par la présente de vendre à 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(s) prix indiqué(s).

Comments - Commentaires

THIS DOCUMENT CONTAINS A
 SECURITY REQUIREMENT.

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

Issuing Office - Bureau de distribution
 Innovation Procurement Directorate / Direction
 des achats innovateurs
 10 Wellington Street / 10, rue Wellington
 Terrasses de la Chaudière
 Floor 4 / Étage 4
 Gatineau, Québec K1A 0S5



Title-Sujet Area Detection Identification System	
Solicitation No. - N° de l'invitation W8476-18ADIS/D	Date 22 January 2021
Client Reference No. - N° de référence du client W8476-18ADIS	
File No. - N° de dossier 008sl. W8476-18ADIS	CCC No./N° CC – FMS NO. / N° VME
Solicitation Closes – L'invitation prend fin at – à 2:00 PM on – le March 3 2021	Time Zone Fuseau horaire Eastern Standard Time EST Heure normale de l'Est HNE
F.O.B. – F.A.B Plant-Usine : Destination: x Other-Autre:	
Address Enquiries to: - Adresser toutes questions à: Roxanne Montpetit	Buyer Id – Id de l'acheteur 008sl
Telephone No. - N° de téléphone 343-572-0585	FAX No. - N° de FAX N/A
Destination of Goods, Services and Construction: Destinations des biens, services et construction : Specified Herein Précisé dans les présentes	

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 telephone 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

REQUEST FOR PROPOSAL (RFP) W8476-18ADIS/D

VOLUME 1: BIDDER INSTRUCTIONS AND REQUIREMENTS IMPORTANT INFORMATION REGARDING THIS RFP:

This RFP contains 3 Volumes.

- Volume 1 represents the Request for Proposal instructions and requirements to be addressed by Bidders.
- Volume 2 reflects the resulting contract for the ADIS Acquisition.
- Volume 3 reflects the resulting contract for the ADIS In-Service Support (ISS)

Bidders should take into consideration the information provided in all three volumes in submitting their bid.

FOR YOUR CONSIDERATION

As requested in the Attachment 1A and 1B to Part 4, ITB/VP mandatory bids must be completed at the time of response. No further consideration is given to any bidders not sending a complete response package.

Canada will host a virtual information session for industry on **2021-02-09 at 10am EST**. This session is optional for attendance by industry, as it serves only to outline the ITB requirements that are already included in the ADIS RFP and to reiterate the mandatory documentation required from bidders in order to have a compliant ITB bid.

This session will be a “one-way” information presentation by Canada, and there will be no live Question & Answer session, as all questions from industry pertaining to any requirements within the RFP must be submitted in writing to PSPC as per usual procedure.

Confirmation of your attendance and accessibility to Microsoft TEAMS application MUST be confirmed by email to the Contracting Authority Roxanne.montpetit@tpsgc-pwqsc.gc.ca no later than 2021-02-03.

SUMMARY OF CHANGES

From previous bid solicitation number W8476-18ADIS/C dated 2020/07/08.

Volume 1 – **changes Highlighted in yellow**

- 1) 2.3 Submissions of Bids, page 9
- 2) 4.1 Evaluation Procedure, page 17
- 3) 4.3.3 Mandatory Financial Criteria, page 25
- 4) ATTACHMENT 2B TO PART 4, 1. System Requirement Specifications, page 36
- 5) M21, 3.1.7.2 Communications with ADIS Console and GFE Equipment, page 42
- 6) M25, 3.2.4 Power, page 44
- 7) M54, 3.4.7.9 Calibration, page 51
- 8) PR16, 3.1.2.4 Cloud Boundaries, page 56
- 9) PR20, page 57
- 10) PR21, page 57
- 11) PR34, 3.4.2 Emissions Security, page 60
- 12) Attachment 1 to part 3 EN 2020 (separate Excel document)

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1.1.3 Volume 3 – ADIS In-Service Support (ISS) Resulting Contract

Resulting Contract Clauses: includes the clauses and conditions that will apply to In-Service Support Contract. The Annexes include:

Annex A	Statement of Work
Appendix AA	ISS Contract Data Requirements List (CDRL)
Appendix AB	ISS Data Item Descriptions (DID)
Appendix AC	Configuration Status Accounting Report (CSAR) <i>(to be provided after contract award)</i>
Annex B	Basis of Payment
Annex C	Security Requirements Checklist
Annex D	Industrial and Technological Benefits (ITB) Value Proposition Terms and Conditions
Annex E	DND 626 Task Authorization Form

1.2 Summary

Public Services and Procurement Canada (PSPC), on behalf of the Department of National Defense (DND) is seeking to procure 32 standoff chemical detection and identification system in support of the Area Detection and Identification System (ADIS) project integration services to Government Supplied Equipment (GSM), operational and maintenance training services and in-service support services. The ADIS will provide an early warning to Canadian Armed Forces (CAF) personnel of incoming Chemical Warfare Agents and Toxic Industrial Chemicals threats.

This procurement will result in two distinct contracts:

- W8476-145109/001/s1 - Acquisition and professional services (referenced herein as ADIS ACQ) for a period not to exceed three years; and,
- W8476-165477/001/s1 - In-Service Support (referenced herein as ADIS ISS) for a period of two years with up to four optional periods of two years each. The ADIS ISS will begin upon the satisfactory delivery of the first product under the ADIS ACQ.

1.2.1 Security Requirements

There are security requirements associated with this requirement. For additional information, consult:

- Volume 1 - Part 6 Security, Financial and Other Requirements,
- Volume 2 - Resulting Acquisition Contract Clauses article 3.1 and
- Volume 3 - Resulting In-Service Support Contract Clauses, article 3.1.

For more information on personnel and organization security screening or security clauses, bidders should refer to the **Industrial Security Program (ISP)** of Public Works and Government Services Canada (<http://ssi-iss.tpsgc-pwgsc.gc.ca/index-eng.html>) website.

1.2.2 Phased Bid Compliance Process

The Phased Bid Compliance Process applies to this requirement as detailed in Part 4.

1.2.3 Trade Agreements

The requirement is not subject to the provisions of the following agreements as it is excluded under FSC 6665, Hazard-Detecting Instruments and Apparatus:

- Canadian Free Trade Agreement (CFTA),
- World Trade Organization – Agreement on Government Procurement (WTO-AGP),
- Canada-European Union Comprehensive Economic and Trade Agreement (CETA)

1.2.4 Industrial and Technological Benefits (ITB) including Value Proposition (VP)

The requirement is subject to the application of the Industrial and Technological Benefits (ITB) Policy including Value Proposition (VP) as detailed in Part 4. It is Canada's intent that the successful Contractor provides Industrial and Technological Benefits, including a Value Proposition related to both the ADIS Acquisition and In-Service Support requirements, to maximize business activities for Canadian industry.

1.2.5 Controlled Goods

This procurement is subject to the Controlled Goods Program. The **Defence production Act** defines Canadian Controlled Goods as certain goods listed in Canada's Export Control List, a regulation made pursuant to the Export and Import Permits Act (EIPA).

1.2.6 Federal Contractors Program (FCP)

The Federal Contractors Program (FCP) for employment equity applies to this procurement; refer to Part 5 – Certifications and Additional Information, Part 7 - Resulting Contract Clauses and the annex titled Federal Contractors Program for Employment Equity - Certification.

1.2.7 ePost Connect

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.

1.3 Debriefing

After contract award, 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 of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.4 Communication

As a courtesy and in order to coordinate any public announcements pertaining to this contract, the Government of Canada requests that successful Bidders notify the Contracting Authority 5 days in advance of their intention to make public an announcement related to the recommendation of a contract award, or any information related to the contract. The Government of Canada retains the right to make primary contract announcements.

1.5 Third Party – Fairness Monitor

Bidders are advised that Canada has retained the services of a Fairness Monitor from Samson & Associates for the oversight of the entire ADIS procurement process.

1.6 Conflict of Interest – Unfair Advantage

Canada has retained the services of the following independent third parties to assist in the technical preparation of the RFP:

- a. Promaxis;
- b. Calian; and
- c. Valcom.

1.7 Engagement Process

Canada conducted an Engagement process for the ADIS Project. Key information disclosed during the Engagement process may be relevant for any Bidders who want to submit a Bid under this solicitation. We encourage Bidders to consult the following link for further information about the Engagement process and also to consult its Questions and Answers compendiums:

<https://buyandsell.gc.ca/procurement-data/tender-notice/PW-SV-065-26698>;
and, <https://buyandsell.gc.ca/procurement-data/tender-notice/PW-18-00829424>;
and, <https://buyandsell.gc.ca/procurement-data/tender-notice/PW-18-00846768>.

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>) 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 (2020-05-28) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

A. At Section 05 Submission of Bids, subsection 4:

- Delete:** Bids will remain open for acceptance for a period of not less than 60 days from the closing date of the proposal solicitation, unless specified otherwise in the proposal solicitation.
- Insert:** Bids will remain open for acceptance for a period of not less than 180 days from the closing date of the proposal submission.

2.2 List of Proposed Subcontractors

If the bid includes the use of subcontractors, the Bidder agrees, upon request from the Contracting Authority, to provide a list of all subcontractors including a description of the things to be purchased, a description of the work to be performed and the location of the performance of that work. The list should not include the purchase of off-the-shelf items, software and such standard articles and materials as are ordinarily produced by manufacturers in the normal course of business, or the provision of such incidental services as might ordinarily be subcontracted in performing the Work.

2.3 Submission of Bids

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

Note: For bidders choosing to submit using epost Connect for bids closing at the Bid Receiving Unit in the National Capital Region (NCR) the email address is:

tpsgc.dgareceptiondessomissions-abbidreceiving.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. If a solicitation is closing with the NCR Bid Receiving Unit (BRU) and epost Connect is the submission method, vendors are required to email our generic mailbox (TPSGC.DGAreceptiondessomissions-ABBidReceiving.PWGSC@tpsgc-pwgsc.gc.ca) to initiate an epost Connect conversation. **Vendors must ensure they submit their requests before the closing time and date – ideally 6 business days prior. Once completed, one of the BRU employees will respond to their request and attach a bid submission guide which directs them as to how they can access the epost Connect services.**

2.4 Former Public Servant – Competitive Bid

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

Definitions

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

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

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

"pension" means a pension or annual allowance paid under the *Public Service Superannuation Act* (PSSA), R.S., 1985, c. P-36, and any increases paid pursuant to the *Supplementary Retirement Benefits Act*, R.S., 1985, c. S-24 as it affects the PSSA. It does not include pensions payable pursuant to the *Canadian Forces Superannuation Act*, R.S., 1985, c. C-17, the *Defence Services Pension Continuation Act*, 1970, c. D-3, the *Royal Canadian Mounted Police Pension Continuation Act*, 1970, c. R-10, and the *Royal Canadian Mounted Police Superannuation Act*, R.S., 1985, c. R-11, the *Members of Parliament Retiring Allowances Act*, R.S. 1985, c. M-5, and that portion of pension payable to the *Canada Pension Plan Act*, R.S., 1985, c. C-8.

Former Public Servant in Receipt of a Pension

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

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

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

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

Work Force Adjustment Directive

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

If so, the Bidder must provide the following information:

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

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

2.5 Enquiries – Bid Solicitation

All enquiries should be submitted to the Contracting Authority no later than 15 calendar days before the bid closing date. Enquiries received after that time may not be answered.

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

2.6 Applicable Laws

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

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

2.7 Non-Disclosure Agreement

At the Contracting Authority’s request, the Contractor must obtain from its employee(s) or subcontractor(s) the completed and signed non-disclosure agreement, attached at Annex F and provide it to the Contracting Authority with a copy to the Project Authority before they are given access to information by or on behalf of Canada in connection with the Evaluation.

**ATTACHMENT 1 TO PART 2
NON DISCLOSURE AGREEMENT**

BIDDER:

As part the above noted Solicitation process, I, _____ *[name of attendee]* will participate ***solely as an observer*** in the evaluation of Stage 5 – DRDC Laboratory Test of proposed system (the “**Stage 5**”) during which I may be given access to confidential Information by or on behalf of Canada in connection with DRDC Valcartier located in Quebec City, Quebec. I acknowledge and agree that:

1. Information

- (a) During the Stage 5, certain information may be disclosed to me or I may be given access to by or on behalf of Canada information that is: (i) proprietary to Canada or other third party, whether or not labeled as proprietary or sensitive, including information conceived, developed or produced by Canada, **and** (ii) not otherwise made publicly available by Canada without obligations of confidentiality or non-disclosure (collectively, the “**Information**”);
- (b) For the purposes of this agreement, Information includes but not limited to: any documents, instructions, guidelines, data, equipment, material, advice or any other information whether received orally, visually, or in printed form, recorded electronically, or otherwise, that is disclosed to a person or that a person becomes aware of during the Stage 5.
- (c) Access to Information by me is for the sole and exclusive purpose of participating *solely as an observer* in the Stage 5 (the “**Purpose**”);
- (d) I shall keep confidential all Information to which I had access to. I shall not disclose any Information to any other person including to contractors or subcontractors nor shall I make or permit any public disclosure or release whatsoever of the Purpose or the Information, in whole or in part.
- (e) I undertake to safeguard the same and take all necessary and appropriate measures, including those set out in any written or oral instructions issued by Canada, to prevent the disclosure of Information that I may be given access to in contravention of this agreement.
- () I may disclose Information where it is required to do so by law or order of a court of competent jurisdiction, but only to the extent necessary to comply with such law or order and provided that, without prejudice to the foregoing, I have complied with any direction of Canada with respect to such disclosure.

2. General

(a) I shall immediately notify Canada of any breach of this Agreement. The provisions of this Agreement shall survive completion of the Purpose or the Stage 5. This Agreement and any dispute or claim arising out of or in connection with it shall be governed by and construed in accordance with the laws of the Province of Ontario.

Name of Attendee

Title (within Bidder's Enterprise)

Legal Name of Bidder

Address

Signature

Date

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

Bidders are requested to submit their bid electronically by epost.

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

Section I:	Technical Bid
Section II:	Financial Bid
Section III:	Industrial and Technological Benefits (ITB) Value Proposition Bid for both ADIS Acquisition and ADIS In-Service Support
Section IV:	Certifications and Additional Information

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

Bids submitted by Facsimile WILL NOT be accepted.

3.1.1 Electronic Submission

Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

3.2 Sections I: Technical Bids

In their technical bid, bidders should demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet the requirements for both the Acquisition and In-Service Support. Bidders should demonstrate their capability and describe their approach in a thorough, concise and clear manner for carrying out the work.

The technical bid should clearly address and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated. Simply repeating the statement contained in the bid solicitation is not sufficient. In order to facilitate the evaluation of the bid, Canada requests that bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, bidders may refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

Additional information regarding the evaluation plan are included in the Attachment 1B to Part 4 ITB EP.

It is requested that the Bidder provide information about the corporation, years in business, and its international subsidiaries.

3.3 Sections II: Financial Bids

3.4.1 Bidders must submit their financial bid in accordance with the Financial Bid Presentation Sheet detailed at Attachment 1 to Part 3.

3.4.2 The price will be evaluated as follows:

a. Canadian-based bidders must submit firm prices, Canadian customs duties and excise taxes included, and Applicable Taxes excluded.

b. Foreign-based bidders must submit firm prices, Canadian customs duties, excise taxes and Applicable Taxes excluded. Canadian customs duties and excise taxes payable by Canada will be added, for evaluation purposes only, to the prices submitted by foreign-based bidders.

3.4.3 Bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes. The rate given by the Bank of Canada in effect on the bid solicitation closing date, or on another date specified in the bid solicitation, will be applied as a conversion factor to the bids submitted in foreign currency.

3.4.4 Bids will be assessed on an FOB destination basis.

3.4.5 For the purpose of the bid solicitation, bidders with an address in Canada are considered Canadian-based bidders and bidders with an address outside of Canada are considered foreign-based bidders.

3.4 Section III - ITB and VP Bid

The ITB and VP bid should address all of the elements defined in the EN – ADIS ATTACH 1A TO PART 4 ITB BI, Bidder Instructions and EN – ADIS ATTACH 1B TO PART 4 ITB EP, Evaluation Plan.

The Industrial and Technological Benefits and Value Proposition bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated.

Bidders should demonstrate their compliance with the bid solicitation by providing substantial information describing completely and in detail how the ITB requirements are met or addressed.

3.5 Section IV - Certifications and Additional Information

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

**ATTACHMENT 1 TO PART 3
FINANCIAL BID PRESENTATION SHEET**

The Financial Bid Presentation Sheet is attached hereto as a separate document under the file name:

EN – ADIS ATTACH 1 TO PART 3 FIN BID

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 technical, financial, laboratory testing and ITB/VP evaluation criteria.
- (b) For the purposes of this solicitation, Canada will conduct the evaluation in five stages, as follows:
- Stage 1 Phased Bid Compliance Process
 - Stage 2 Technical Evaluation and ITB/VP proposal
 - Stage 3 Preliminary Financial Evaluation
 - Stage 4 DRDC Laboratory Test of proposed system (Mandatory and Point Rated Criteria)
 - Stage 5 Final Financial Evaluation
- (c) An evaluation team composed of representatives of Canada will evaluate the bids.
- (d) The Bidder must comply with the mandatory Acquisition, In-Service Support and ITB criteria and provide the necessary documentation to support compliance. Each criterion should be addressed separately.
- (e) Except where expressly provided otherwise, the experience described in the bid must be the experience of one or more of the following:
1. the Bidder itself (which includes the experience of any companies that formed the Bidder by way of a merger but does not include any experience acquired through a purchase of assets or an assignment of contract); or
 2. the Bidder's affiliates (i.e. parent, subsidiary or sister corporations), provided the Bidder identifies and demonstrates the transfer of know-how, the use of toolsets and the use of key personnel from the affiliate for the applicable criterion; or
 3. the Bidder's subcontractors, provided the Bidder identifies the roles and responsibilities of all parties under the agreement and how their work will be integrated.

4.2. Stage 1 - Phased Bid Compliance Process (PBCP)**4.2.1. General**

- (a) Canada is conducting the PBCP described below for this requirement using a three phase approach.
- (b) Notwithstanding any review by Canada at Phase I or II of the PBCP, Bidders are and will remain solely responsible for the accuracy, consistency and completeness of their bids and Canada does not undertake, by reason of this review, any obligations or responsibility for identifying any or all errors or omissions in bids or in responses by a Bidder to any communication from Canada

The Bidder acknowledges that the reviews in Phase I and II of this PBCP are preliminary and do not preclude a finding in Phase III that the bid is non-responsive, even for mandatory requirements which were subject to review in Phase I or II and notwithstanding that the bid had been found responsive in such earlier phase. Canada may deem a bid to be non-responsive to a mandatory requirement at any Phase.

The Bidder also acknowledges that its' response to a Notice or a Compliance Assessment Report (CAR) (defined below) in Phase I or II may not be successful in rendering its' bid responsive to the mandatory requirements that are the subject of the Notice or CAR, and may render its bid non-responsive to other mandatory requirements.

- (c) Canada may, in its discretion, request and accept at any time from a Bidder and consider as part of the Bid, any information to correct errors or deficiencies in the Bid that are clerical or administrative, such as, without limitation, failure to sign the Bid or any part or to checkmark a box in a form, or other failure of format or form or failure to acknowledge; failure to provide a procurement business number or contact information such as names, addresses and telephone numbers; inadvertent errors in numbers or calculations that do not change the amount the Bidder has specified as the price or of any component thereof that is subject to evaluation. This shall not limit Canada's right to request or accept any information after the bid solicitation closing in circumstances where the bid solicitation expressly provides for this right. The Bidder will have the time period specified in writing by Canada to provide the necessary documentation. Failure to meet this deadline will result in the Bid being declared non-responsive.
- (d) The PBCP does not limit Canada's rights under Standard Acquisition Clauses and Conditions (SACC) 2003 (2020-05-28) Standard Instructions – Goods or Services – Competitive Requirements nor Canada's right to request or accept any information during the solicitation period or after bid solicitation closing in circumstances where the bid solicitation expressly provides for this right, or in the circumstances described in subsection (c).
- (e) Canada will send any Notice or CAR by any method Canada chooses, in its absolute discretion. The Bidder must submit its response by the method stipulated in the Notice or CAR. Responses are deemed to be received by Canada at the date and time they are delivered to Canada by the method and at the address specified in the Notice or CAR. An email response permitted by the Notice or CAR is deemed received by Canada on the date and time it is received in Canada's email inbox at Canada's email address specified in the Notice or CAR. A Notice or CAR sent by Canada to the Bidder at any address provided by the Bidder in or pursuant to the Bid is deemed received by the Bidder on the date it is sent by Canada. Canada is not responsible for late receipt by Canada of a response, however caused.

4.2.2 Phase I: Financial Bid

Applies to Attachment 1 of Part 3.

- (a) After the closing date and time of this bid solicitation, Canada will examine the Bid to determine whether it includes the Financial Bids and whether the Financial Bids include all information required by the solicitation. Canada's review in Phase I will be limited to identifying whether any

information that is required under the bid solicitation to be included in the Financial Bid is missing from the Financial Bid. This review will not assess whether the Financial Bid(s) meet any standard or is responsive to all solicitation requirements.

- (b) Canada's review in Phase I will be performed by officials of the Public Services and Procurement Canada.
- (c) If Canada determines, in its absolute discretion that there is no Financial Bid or that one or both of the Financial Bids are missing all of the information required by the bid solicitation to be included in the Financial Bid, then the Bids will be considered non-responsive and will be given no further consideration.
- (d) For Bids other than those described in c), Canada will send a written notice to the Bidder ("Notice") identifying where the Financial Bid(s) is/are missing information. A Bidder, whose Financial Bids have been found responsive to the requirements that are reviewed at Phase I, will not receive a Notice. Such Bidders shall not be entitled to submit any additional information in respect of their Financial Bids.
- (e) The Bidders who have been sent a Notice shall have the time period specified in the Notice (the "Remedy Period") to remedy the matters identified in the Notice by providing to Canada, in writing, additional information or clarification in response to the Notice. Responses received after the end of the Remedy Period will not be considered by Canada, except in circumstances and on terms expressly provided for in the Notice.
- (f) In its response to the Notice, the Bidder will be entitled to remedy only that part of its Financial Bid(s) which is identified in the Notice. For instance, where the Notice states that a required line item has been left blank, only the missing information may be added to the Financial Bid, except that, in those instances where the addition of such information will necessarily result in a change to other calculations previously submitted in its Financial Bid, (for example, the calculation to determine a total price), such necessary adjustments shall be identified by the Bidder and only these adjustments shall be made. All submitted information must comply with the requirements of this solicitation.
- (g) Any other changes to the Financial Bid(s) submitted by the Bidder will be considered to be new information and will be disregarded. There will be no change permitted to any other Section of the Bidder's Bid(s). Information submitted in accordance with the requirements of this solicitation in response to the Notice will replace, in full, **only** that part of the original Financial Bid(s) as is permitted above, and will be used for the remainder of the bid evaluation process.
- (h) Canada will determine whether the Financial Bids are responsive to the requirements reviewed at Phase I, considering such additional information or clarification as may have been provided by the Bidder in accordance with this Section. If the Financial Bid(s) are not found responsive for the requirements reviewed at Phase I to the satisfaction of Canada, then the Bids shall be considered non-responsive and will receive no further consideration. Only Bids where both Financial Bids are found to be responsive to the requirements reviewed in Phase I to the satisfaction of Canada, will receive a Phase II review

4.2.3 Phase II: Technical Bid

Applies to eligible Mandatory Criteria only, including Articles 4.3.2, Mandatory Technical Requirements, 4.3.3, Mandatory Financial Criteria, Attachment 1A to Part 4, ITB/VP mandatory criteria and Attachment 1B to Part 4, Stage 5 - DRDC Laboratory Testing, article 3. Mandatory Requirements.

- (a) Canada's review at Phase II will be limited to a review of the Technical Bids to identify any instances where the Bidder has failed to meet any Eligible Mandatory Criterion. This review will not assess whether the Technical Bids meet any standard or is responsive to all solicitation requirements. Eligible Mandatory Criteria includes all mandatory technical criteria that are identified in this solicitation as being subject to the PBCP. Mandatory technical criteria that are not identified in the solicitation as being subject to the PBCP, will not be evaluated until **Stage 5**.
- (b) Canada will send a written notice to the Bidder (Compliance Assessment Report or "CAR") identifying any Eligible Mandatory Criteria that the Bid has failed to meet. A Bidder whose Bid has been found responsive to the requirements that are reviewed at Phase II will receive a CAR that states that its Bid has been found responsive to the requirements reviewed at Phase II. Such Bidder shall not be entitled to submit any response to the CAR.
- (c) A Bidder shall have the period specified in the CAR (the "Remedy Period") to remedy the failure to meet any Eligible Mandatory Criterion identified in the CAR by providing to Canada in writing additional or different information or clarification in response to the CAR. Responses received after the end of the Remedy Period will not be considered by Canada, except in circumstances and on terms expressly provided for in the CAR.

The Bidder's response must address only the Eligible Mandatory Criteria listed in the CAR as not having been achieved, and must include only such information as is necessary to achieve such compliance. Any additional information provided by the Bidder which is not necessary to achieve such compliance will not be considered by Canada, except that, in those instances where such a response to the Eligible Mandatory Criteria specified in the CAR will necessarily result in a consequential change to other parts of the Bid, the Bidder shall identify such additional changes, provided that its response must not include any change to the Financial Bid.

- (d) The Bidder's response to the CAR should identify in each case the Eligible Mandatory Criterion in the CAR to which it is responding, including identifying in the corresponding section of the original Bid, the wording of the proposed change to that section, and the wording and location in the Bid of any other consequential changes that necessarily result from such change. In respect of any such consequential change, the Bidder must include a rationale explaining why such consequential change is a necessary result of the change proposed to meet the Eligible Mandatory Criterion. It is not up to Canada to revise the Bidder's Bid, and failure of the Bidder to do so in accordance with this subparagraph is at the Bidder's own risk. All submitted information must comply with the requirements of this solicitation.
- (e) Any changes to the Bid submitted by the Bidder other than as permitted in this solicitation, will be considered to be new information and will be disregarded. Information submitted in accordance with the requirements of this solicitation in response to the CAR will replace, in full, **only** that part of the original Bid as is permitted in this Section.

- (f) Additional or different information submitted during Phase II permitted by this section will be considered as included in the Bid, but will be considered by Canada in the evaluation of the Bid at Phase II only for the purpose of determining whether the Bid meets the Eligible Mandatory Criteria. It will not be used at any Phase of the evaluation to increase any score that the original Bid would achieve without the benefit of such additional or different information. For instance, an Eligible Mandatory Criterion that requires a mandatory minimum number of points to achieve compliance will be assessed at Phase II to determine whether such mandatory minimum score would be achieved with such additional or different information submitted by the Bidder in response to the CAR. If so, the Bid will be considered responsive in respect of such Eligible Mandatory Criterion, and the additional or different information submitted by the Bidder shall bind the Bidder as part of its Bid, but the Bidder's original score, which was less than the mandatory minimum for such Eligible Mandatory Criterion, will not change, and it will be that original score that is used to calculate any score for the Bid
- (g) Canada will determine whether the Bid is responsive for the requirements reviewed at Phase II, considering such additional or different information or clarification as may have been provided by the Bidder in accordance with this Section. If the Bid is not found responsive for the requirements reviewed at Phase II to the satisfaction of Canada, then the Bid shall be considered non-responsive and will receive no further consideration.
- (h) Only Bids found responsive to the requirements reviewed in Phase II to the satisfaction of Canada, will receive a Phase III evaluation.

4.3 Stage 2 - **Technical Evaluation and ITB/VP proposal**

4.3.1 Definitions

- A. A project of similar size and complexity to ADIS is defined as experience in implementing the following:
- a) Design, manufacture and integration of electro-optic systems;
 - b) Design and manufacture of CBRN detection and identification systems;
 - c) Sales of electro-optic systems to NATO, ABCA or other allied nations;
 - d) Testing and verification of electro-optic or CBRN detection and identification systems;
 - e) Production of clear and concise manuals;
 - f) Production of training materials and experience in providing customer training;
 - g) Production of technical drawing packages and parts lists to manufacturing/production quality; and
 - h) Providing product support, repair and overhaul services throughout the product lifecycle.
- B. For resources proposed, it is recommended that the bidder provide a CV providing sufficient details to allow Canada to assess the listed experience.
- C. For all projects submitted as evidence to support the mandatory requirements, the bidder must provide the following information:
- The Project Title and cost;
 - The Project start and end dates expressed as month/year;
 - A description of the Project, including identifying how it meets the mandatory requirements

- The precise role of the resources in the proposed category of work (as applicable); and,
 - A customer point of contact for validation purposes only.
- D. The Bidder must submit only the number of projects requested; projects submitted in excess of that number will not be evaluated. For example, if the criterion requires up to 3 projects, only the first three projects in order of appearance will be evaluated.
- E. Bidders must review and comply with Attachment 2 to Part 4, Systems Requirement Specifications, article 4.1 Mandatory Requirements and will be assessed against the Point Rated Criteria detailed at article 4.2. Bidders should provide the associated documentation to support compliance.
- F. For the ITB/VP proposal, bidders are requested to review Attachment 1A and Attachment 1B to Part 4 for the evaluation criteria.
- G. Mandatory Requirements are scored on a Pass/Fail basis.
- H. Point Rated Criteria will be scored out of 600 available points and the following weights applied to each the score for each section as follows:

Corporate Competencies	Scored out of 100 points	Weight:	20%
Proposed Project Plans	Scored out of 100 points	Weight:	25%
Environmental Management System Perf.	Scored out of 100 points	Weight:	5%
DRDC Laboratory Test of proposed system	Scored out of 150 points	Weight:	50%
Desirable qualities	Scored out of 150 points		

Total available points: 600 Weight: 200

For example,

Max Possible Score = 600 Weighted Value = 200	Bidder 1		Bidder 2		Bidder 3	
	Score	Weighted Value	Score	Weighted Value	Score	Weighted Value
Corporate Competencies (100 pts x 20%)	85.0	17.0	90.0	18.0	70.0	14.0
Proposed Project Plans (100 pts x 25%)	90.0	22.5	80.0	20.0	80.0	20.0
Environmental Management System Performance (100 pts x 5%)	75.0	3.8	95.0	4.8	75.0	3.8
DRDC Laboratory Test of proposed system (300 pts x 50%)	250.0	125.0	240.0	120.0	270.0	135.0
Total Weighted Score		168.3		162.8		172.8

When a calculation includes a decimal, calculations will be rounded to the first decimal point. The weights will be applied to the scores at article 4.8, Basis of Selection, sub-article 4.8.1, B

4.3.2 Mandatory Technical Requirements

Item	Description	Reference to Proposal
CORPORATE EXPERIENCE		
M1	<p>The Bidder must demonstrate: a minimum of 7 years of experience within the past 20 years in ALL four of the following:</p> <ul style="list-style-type: none"> a. Design, manufacture and delivery of electro-optic systems; b. Design, manufacture and delivery of chemical detection and identification systems; c. Production of user manuals, technical drawings and training packages; and d. Provision of In-service support for electro-optic systems, integrated sub-systems and associated ancillary equipment. 	
M2	The Bidder must have completed a project valued over \$10M.	
M3	<p>The Bidder must demonstrate evidence of their capability to support the ADIS for the initial two year in-service support phase following final delivery.</p> <p>As evidence, the Bidder must include a detailed description of company capabilities for Repair and Overhaul (R&O) to include:</p> <ul style="list-style-type: none"> a) Mechanisms for return to factory for R&O; b) 7 years of experience in Military R&O process; c) List of repairs that can be expected during the ADIS lifetime; and d) Turnaround time for these repairs. 	
M4	The Bidder must provide each of the plans identified in PR-6 through PR-9.	
M5	<p>The Bidder must provide a description of facilities where ADIS will be manufactured to include:</p> <ul style="list-style-type: none"> a) Time to ramp up production line based on previous production runs; b) Number of ADIS produced per month; and c) On-site capabilities such as test facility, software development, and workshops. 	

Item	Description	Reference to Proposal
M6	The Bidder must demonstrate certification to a corporate-wide Quality Management System (QMS) that addresses all of the requirements of CAN/CSA-ISO 9001:16 or equivalent.	
KEY PROPOSED PROJECT RESOURCES		
M7	<p>The Project Manager (PM) (Ref. Volume 2 - Annex A - section 4.1.2) must demonstrate a minimum of 7 years of experience within the past 10 years as a project manager on project(s) involving:</p> <ul style="list-style-type: none"> a. Government contracts worth over \$10M; and b. Management of at least 1 project with similar size and complexity as ADIS. 	
M8	<p>The Lead System Engineer (Ref. Volume 2 - Annex A, section 5.1) must demonstrate a minimum of 3 years of cumulative experience within the past 5 years as a Lead System Engineer on project(s) involving the following :</p> <ul style="list-style-type: none"> a. System integration; and b. Software development management. 	
M9	The ILS Manager (Ref. Volume 2 - Annex A - section 6.2.2) must demonstrate a minimum of 7 years of experience within the past 10 years as an ILS Manager.	
M10	<p>The ISS Manager (Ref. Volume 3 - Annex A - section 3.2.1) must demonstrate that the ISS Manager has a minimum of 7 years of experience within the past 10 years as an ISS Manager:</p> <ul style="list-style-type: none"> a. providing product support of electro-optic systems, subsystems and ancillary equipment; and b. providing repair and overhaul of military systems, spare parts management, technical publication support, and software support. 	

4.3.3 Mandatory Financial Criteria

The following is applicable to Attachment 2 to Part 3, Financial Bid Presentation Sheet for Volume 3 only. Examples are provided below.

Item	Description
MF-1	For Categories of Work that appear in both the ADIS Acquisition contract and the ADIS In-Service Support contract, the Bidder must submit the same firm, all-inclusive hourly rate for each category of work that is represented in both the for the same period(s).
MF-2	For the entire Option Periods of the ADIS In-Service Support contract, the automatic increase of 3% will be added to the cost from the previous year, for all-inclusive hourly rate for each category of work detailed in the Financial Bid Presentation Sheet attached at Attachment 1 to Part 3 from the previous period.
MF-3	For the entire Option Periods of the ADIS In-Service Support contract, the automatic increase of 3% will be added to the cost from the previous year, for all-inclusive hourly rate for each category of work detailed in the Financial Bid Presentation Sheet attached at Attachment 1 to Part 3 from the previous period.
MF-4	For the entire Option Periods of the ADIS In-Service Support contract, the automatic increase of 3% will be added to the cost from the previous year, for all-inclusive hourly rate for each category of work detailed in the Financial Bid Presentation Sheet attached at Attachment 1 to Part 3 from the previous period.

4.3.4 Point Rated Technical Criteria

Item	Description	Reference to Proposal
	<p>CORPORATE COMPETENCIES</p> <p>The Bidder should demonstrate that it has the experience necessary to design, test, produce, deliver and support ADIS. Points outlined below will be awarded based on Canada’s review of the supporting documentation provided by the Bidder. A maximum of 100 points is allocated to this category. The earned points will be prorated to a score out of 20%. The Bidder must achieve a minimum pass mark of 50%, or 50 points out of a possible 100 points, or be considered nonresponsive and given no further consideration.</p>	
PR1	<p>Electronic System Integration Experience</p> <p>The Bidder should provide evidence that they have completed of up to five (5) project demonstrating electronic system integration experience, with at least one of the projects involving wireless networks.</p>	
	<p>Scoring Methodology</p> <p>5 points per project to a maximum of 25 points.</p>	<p>Available Points</p> <p>25</p>
PR2	<p>Software Development Experience</p> <p>The should provide evidence that they have completed of up to five (5) software development projects within the past 10 years demonstrating all of the following experience:</p> <ul style="list-style-type: none"> a. Developing GUI and software to control system operation; and b. Integrating developed in-house specialized software with operating systems. 	
	<p>Scoring Methodology</p> <p>5 points per project to a maximum of 25 points.</p>	<p>Available Points</p> <p>25</p>
PR3	<p>Electro-Optic Manufacturing Experience</p> <p>The Bidder should demonstrate up to 5 projects for the production of electro-optic systems at their manufacturing facility within the past 10 years.</p>	
	<p>Scoring Methodology</p> <p>5 points per project to a maximum of 25 points.</p>	<p>Available Points</p> <p>25</p>

Item	Description	Reference to Proposal	
PR4	<p>Quality Assurance on Manufacturing Processes Experience The Bidder provides evidence of employing and documenting quality control processes that monitor, measure and continually improve production parameters on an on-going basis in up to 2 projects to ensure the quality of its manufactured products.</p> <p>Scoring Methodology 5 points per project to a maximum of 10 points.</p>		
PR5	<p>Evaluation of ISS for Electro-Optic System Experience The Bidder should demonstrate that it has up to 3 projects within the past 20 years conducting In Support - Service for electro-optic systems, sub-systems and ancillary equipment for military projects.</p> <p>Scoring Methodology 5 points per project to a maximum of 15 points</p>		
<p>PROPOSED PROJECT PLANS Canada will evaluate the proposed plans listed in below and will rate them according to the scoring system outlined below. The scoring system has five grades. Each plan will be assigned a grade based on information provided. The draft plans will be evaluated based on the extent to which it addresses all elements of the relevant Data Item Description (DID). For the purposes of evaluation only, Bidders should assume a contract award date of 1 June 2020. The draft project plans will form part of the resulting contract(s) and may be modified following contract award and/or during the period of the contract(s). A maximum of 100 points can be awarded in this category. The Bidder must achieve a minimum pass mark of 50%, or 50 points out of a possible 100 points, or be considered non-responsive and given no further consideration. That score will be prorated to a score out of 25%.</p>			
PR6	The Bidder should provide a Project Management Plan (PMP) in accordance with Volume 2 – Appendix AC – DID PM-101.	Available Points 0 – 25 points	
PR7	The Bidder should provide a Master Project Schedule (MPS) in accordance with Volume 2 - Appendix AC – DID PM-102.	Available Points 0 – 25 points	
PR8	The Bidder should provide a Integrated Logistics Support Plan (ILSP) in accordance with Volume 2 - Appendix AC DID IL-501.	Available Points 0 – 25 points	

Item	Description			Reference to Proposal
PR9	The Bidder should provide a Quality Assurance Plan (QAP) in accordance with Volume 2 - Appendix AC – DID PM-109.			Available Points 0 – 25 points
Scoring Methodology:				
	Excellent	25 points	Thorough, complete, presented in a logical and organized manner with clear details addressing all of the required elements, establishing proven and sound approaches, functions, processes, methods, tools and techniques, that indicates an exceptionally high probability of fully delivering the capability in an effective manner.	
	Good	20 points	Complete, well presented and clear details provided, addressing all of the required elements, and with adequate approaches, functions, processes, methods, tools and techniques, indicating a high probability of fully delivering the capability in an effective manner.	
	Acceptable	15 points	The details provided in addressing the majority of the required elements are clear and complete, with only a few of the required elements not addressed to an acceptable level of detail, and with the majority of the approaches, functions, processes, methods, tools and techniques considered adequate, indicating only an acceptable probability of delivering the capability.	
	Marginal	10 points	The information provided does not address the majority of the required elements to an acceptable level of detail, and only a few of the approaches, functions, processes, methods, tools and techniques are considered adequate, indicating a low probability of delivering the capability.	
	Weak	5 points	The information provided, or lack thereof, does not address at all the majority of the required elements, and the approaches, functions, processes, methods, tools and techniques are considered inadequate, indicating a very low probability of delivering the capability.	
<p>ENVIRONMENTAL MANAGEMENT SYSTEM (EMS) PERFORMANCE</p> <p>Positive company environmental management systems are hallmarks of productive and safe companies. EMS submissions will be rated individually against the criteria below with the indicated weight to a total of a maximum of 100 points. That score will be prorated and assigned a score out of 5%. The Bidder must achieve a minimum pass mark of 50%, or 50 points out of a possible 100 points, or be considered non-responsive and given no further consideration.</p>				

Item	Description	Reference to Proposal
PR10	<p>Regulatory Compliance History – Environmental The Bidder has not been charged or convicted with an offence under Environmental laws in any jurisdiction in the past 3 years (calculated from the date of bid submission)</p> <p>Available Points:</p>	
	20 points	
PR11	<p>Regulatory Compliance History – Occupational Health and Safety The Bidder has not been charged or convicted with an offence under Occupational Health and Safety (OHS) laws in any jurisdiction in the past 3 years (calculated from the date of bid submission)</p> <p>Available Points:</p>	
	20 points	
PR12	<p>Environmental Management System (EMS) The Bidder should possess a valid EMSISO 14001 certification received within the past 3 years from the date of bid submission. As evidence, the Bidder must provide a copy of the ISO 14001 certificate to achieve 30 points. OR Provide evidence of the a. through i. below (for up to 20 points):</p>	
	<p>a. an environmental policy that is:</p> <ul style="list-style-type: none"> • signed by Senior management. • Includes a statement of commitment for: <ul style="list-style-type: none"> ○ Compliance with applicable laws and regulations ○ Continual improvement of environmental performance ○ Pollution prevention 	<p>0.5 points</p> <p>0.5 points</p> <p>0.5 points</p> <p>0.5 points</p>
	b. Provide a copy of the list identifying the significant environmental aspects of the activities, products and services of your organization.	List provided – 3.0 points
	c. Provide a copy of the list of legal requirements that apply to the significant environmental aspects identified in question b).	List provided – 3.0 points
	d. Provide a copy of a report (produced within the past 3 years from the date of bid submission) that evaluates the compliance of the activities, products and services of your organization with relevant environmental legislation and regulations.	Report provided – 3.0 points

Item	Description	Reference to Proposal	
	e. Provide a copy of the list of environmental objectives and targets which are consistent with the environmental policy of your organization.	List provided – 3.0 points	
	f. Evidence that your organization established, implemented and maintained an environmental program that describes how to achieve its objectives and targets.	Yes – 1.0 point	
	g. Evidence that your organization’s management team ensured the availability of training resources required for an effective environmental management program.	Yes – 1.0 point	
	h. Provide a copy of your Emergency preparedness and Response Plan. Plan.	Provided – 3.0 points	
	i. Provide preventive and protective measures, such as the use of engineering controls, to mitigate environmental risks.	Yes – 1.0 point	
PR13	<p>Occupational Health and Safety Management System (OHSMS)</p> <p>1. Does the Bidder organization have an Occupational Health and Safety Management System certified OSHAS 18001 or Z1000-06 CSA? If Yes, a copy of the OSHAS 18001 or Z1000-06 CSA certificate obtained within the past three (3) years by an accredited body is to be submitted to receive the maximum number of 30 points.</p>		
	If No, please answer the following questions (for a maximum total number of 20 points):		
	<p>0. Does your organization have an OHS policy? If Yes, a copy of the formal OHS policy is to be submitted with this survey. The policy must be:</p> <ul style="list-style-type: none"> Signed by Senior management. 1 point Include a statement of commitment for: <ul style="list-style-type: none"> Compliance with applicable laws and regulations 1 point To prevent injury and ill health 1 point To continual improvement in OHS management 1 point 		
	2. Has your organization developed preventive and protective measures, such as use of personal protective equipment (PPE), to mitigate the OHS risks?	Yes – 2.0 points	
	3. Does your organization have a hazardous material inventory system in place?	Yes – 2.0 points	

Item	Description	Reference to Proposal
	<p>5. Does your organization have a hazardous materials management program in place for their receipt, storage, use and disposal of hazardous materials? If Yes, a copy of the Hazardous Materials Management Program is to be submitted with this survey and will be evaluated based on the criteria below. The Hazardous Materials Management Program must contain information on the:</p> <ul style="list-style-type: none"> Receipt Storage Use Disposal 	<p>2 points 2 points 2 points 2 points</p>
	<p>6. Are the Bidder's employees currently trained on the identification, classification and regulatory requirements pertaining to the safe use of hazardous materials/controlled products including labelling and Safety Data Sheets (SDSs)?</p> <ul style="list-style-type: none"> Yes, and copy of training resource provided Yes, but no copy of training resource provided 	<p>4 points 2 points</p>

4.3.5 Stage 2 - ITB/VP Evaluation

Bidders are requested to respond to the information detailed at Attachment 1A to Part 4 and at Attachment 1B to Part 4, Industrial and Technological Benefits (ITB) and Value Proposition (VP) Evaluation.

4.4 Stage 3 - Preliminary Financial Evaluation

Following the completion of Stage 2, Canada will conduct a preliminary financial evaluation of all responsive bids utilizing the technical score and ITB/V score achieved for the point rated criteria detailed in Stage 2, and criteria PR15 to PR51 of Stage 5 to determine which bidders will be invited to undertake the DRDC Laboratory Testing of the proposed system. Bidders will be invited, based on rank, to DRDC Valcartier for PR14.

The preliminary financial evaluation will be conducted by totaling the scores achieved in Stages 2, and criteria PR15 to PR51 of Stage 4, and adding the 150 points available for PR14 and applying the Basis of Selection at article 4.8 to determine if a bidder has the potential to be awarded the contracts. The Methodology identified in the Basis of Selection will be utilized to determine the ranking.

Preliminary Financial Score = Points Achieved in Stage 2 pts (/300) + Points Achieved in Stage 3 pts (100) + Points Achieved in Stage 4 for criteria PR15 to PR51 (/150) + 150 available points for PR14

Or

Preliminary Financial Score = score/100 points + score/100 points + score/100 points + score/150 points + 150 points

Preliminary Total Score = application of the Weighting, Basis of Selection and ranking

If a bidder has no potential to be awarded a contract based on the above, the Bidder will not be invited to participate in PR14 at Stage 4, Laboratory Test.

4.5 Stage 4 - DRDC Laboratory Test of Proposed System

The Bidder may be asked to present quantity one of their proposed solution to DRDC Valcartier, Quebec upon the request of the Contracting Authority at a date and time to be determined. **DRDC lab testing will take place no sooner than 3 months after bid closing.**

DRDC will conduct testing in accordance with Attachment 2 to Part 4, ADIS Bid Evaluation Laboratory Test (which includes both Mandatory and Point Rated Criteria), Appendix AA to Annex A of Volume 2, System Requirements Specifications (SysRS) for the ADIS and the criteria detailed below. The testing may be witnessed by the Bidders representatives, limited to One Technician and one Operator. All reports resulting from the DRDC Laboratory Test will be provided to the Bidder upon completion of the evaluation.

4.5.1 Non Disclosure Agreement

As part of the invitation to Stage 4, bidder resources who will require access to DND facilities will be required to sign the non-disclosure agreement at Attachment 1 to Part 2.

4.6 Stage 5 –Financial Bid Price Evaluation

For evaluation purposes, the total evaluated bid price will be determined in accordance with the Financial Bid Presentation Sheet at Attachment 1 to Part 3 and reflect the sum of:

Total Estimated Bid Price - Labour	\$
Total Estimated Bid Price - Training	\$
Total Estimated Bid Price - Equipment and R&O	\$
TOTAL EVALUATED BID PRICE:	\$

4.7 Basis of Selection

4.7.1 Highest Responsive Combined Rating of Technical Merit, Price and ITB/VP A.

To be declared responsive, a bid must:

- a. comply with all the requirements of the bid solicitation; and
 - b. meet all mandatory criteria; and
 - c. obtain the required minimum points for the following point rated criteria, specified as follows:
 - i) Corporate Competencies
PR1 through PR5
50 points out of 100 available points
 - ii) Proposed Project Plans
PR6 through PR9
50 points out of 100 available points
 - iii) Environmental Management System (EMS) Performance
PR10 through PR13
50 points out of 100 available points
- B. Bids not meeting 4.8.1 A will be declared non-responsive. For each responsive bid, the weights identified in article 4.3 H will be applied to the technical score achieved for each aspect of the evaluation. Only responsive bidders will be considered for Stage 4.
- C. The selection will be based on the highest responsive combined rating of technical merit, price and Industrial Technological Benefits and Value Proposition. The ratio will be 60% for the technical merit, 25% for the price and 15% for the Industrial Technological Benefits and Value Proposition.
- D. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 60 %.
- E. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 25%.

- F. To establish the Industrial Technological Benefits and Value Proposition score, each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 15%.
- G. For each responsive bid, the technical merit score, the pricing score, and the Industrial Technological Benefits and Value Proposition score will be added to determine its combined rating.
- H. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit, price and ITB/VP will be recommended for contract award for both ADIS ACQ and ADIS ISS.
- I. In the case of a tie, the Bidder with the lowest Total Estimated Bid Price will be recommended for the award of both contracts.

4.7.2 Evaluation Example

Basis of Selection - Highest Combined Rating Technical Merit (60%), Price (25%) and ITB/VP (15%)				
		Bidder 1	Bidder 2	Bidder 3
Weighted Technical Score		145/200	170/200	125/200
ITB / VP Score		56/100	65/100	80/100
Total Evaluated Bid Price		\$550,000.00	\$500,000.00	\$450,000.00
Calculations	Technical Merit Score	$145/200 * 60 = 43.5$	$170/200 * 60 = 51.0$	$125/200 * 60 = 37.5$
	ITB VP SCORE	$56/100 * 15 = 8.4$	$65/100 * 15 = 9.8$	$80/100 * 15 = 12$
	Pricing Score	$45/55 * 25 = 20.5$	$45/50 * 25 = 22.5$	$45/45 * 25 = 25$
	Combined Rating	72.4	83.3	74.5
	Overall Rating	3rd	1st	2nd

Note: When a calculation includes a decimal, calculations will be rounded to the first decimal point.

**ATTACHMENT 1A to PART 4
Industrial and Technological Benefits (ITB) - Value Proposition
Bidder Instructions**

The Bidder Instructions for the Industrial and Technological Benefits (ITB) – Value proposition (VP) is attached hereto as a separate document under the file name:

EN – ADIS ATTACH 1A TO PART 4 ITB BI

ATTACHMENT 1B to PART 4
Industrial and Technological Benefits (ITB) - Value Proposition
Evaluation Plan

The Evaluation Plan for the Industrial and Technological Benefits (ITB) – Value proposition (VP) is attached hereto as a separate document under the file name:

EN – ADIS ATTACH 1B TO PART 4 ITB EP

ATTACHMENT 2A to PART 4
Description of the Area Detection Identification System (ADIS)
bid evaluation laboratory test

The description of the ADIS bid evaluation laboratory test is attached hereto as a separate document under the file name:

EN – ADIS ATTACH 2A TO PART 4 – Description of the ADIS bid evaluation laboratory test

ATTACHMENT 2B TO PART 4
STAGE 4 - TECHNICAL SPECIFICATIONS EVALUATION

1. System Requirement Specifications

The Bidder must demonstrate how it will meet each of the mandatory requirements detailed at Article 3 below in accordance with the verification procedures defined at article 2.

The contractor must include a Preliminary ADIS Kit List that completely fulfills the mandatory requirement with the bid proposal and is included in the cost. The use of un-costed or unidentified optional equipment to meet mandatory requirements is not acceptable. The Preliminary ADIS Kit List must list the components of the system and map the system component connectivity when unpacked. Data to be included are item number, item name, part number and quantity.

ATTACHMENT 2B TO PART 4, Section 2 and Appendix AA to Annex A of Volume 2, System Requirements Specification (SysRS) indicate the standards to be followed in order to verify requirements. Those standards are typically US-MIL-STDs. DND expects that submitted results and reports that demonstrate compliance with requirements were obtained using the indicated references. In case a Bidder submits results following a different standard, DND will, at its sole discretion, assess the suitability of the results to evaluate compliance or not. Simulations and extrapolations will only be considered if based on physical testing. Bidders are strongly encouraged to follow the standards indicated in the SysRS.

DND understands that 3rd party elements cited in the ADIS documentation are not available at time of bidding. For submission of verifications related only to 3rd party elements requirements of Power, Battery, Battery Charger, Cables, and Connectors, Bidders are permitted to either state present compliance with requirements or future compliance at the time of FQR. DND will exercise the right to verify compliance. Applicable EMC/EMI and environmental tests must be performed on the DH, Processor (if separate), and AZ/EL platform.

The bids will be assessed using the following verification methods, as described in section 4 of the SysRS:

- a. Analysis(A);
- b. Certificate of Conformance (CoC);
- c. Demonstration (D);
- d. Inspection (I);
- e. Narrative (N);
- f. Preliminary Proof (PP);
- g. Test (T); and,
- h. Test Report (TR).

2. Verification Methodology for the Identification Requirements of Chemical Warfare Agents (CWAs)

The following order will be used to evaluate the mandatory and point rated portions of the SysRS paragraph “3.1.2.2 Identification Requirements – CWAs” (Volume 2 - Annex A - Appendix AA - SysRS).

- A. Initial Compliance: As a proof, the Bidder must submit Test Reports (and associated analysis) demonstrating that the proposed system can successfully detect and identify all mandatory CWAs listed in the Chemicals List (Volume 2 - Annex A - Appendix AA1).

The test report must:

- a. Indicate what quantity or concentration of each CWA can be detected with the proposed sensor system;
- b. Contain an analysis showing in what conditions (e.g. wind speed, release type, temperature, thermal contrast, etc.) these CWAs would be detectable;
- c. Contain results from laboratory or open release measurements of real CWAs or simulants to support this analysis;
- d. Contain a description of the test setup used to obtain these measurements, an evaluation of the possible limitations or exceptions in the experimental protocol, as well as any contact and accreditation information about the organization responsible for the tests if applicable; and
- e. Indicate the spectral range of the proposed system.

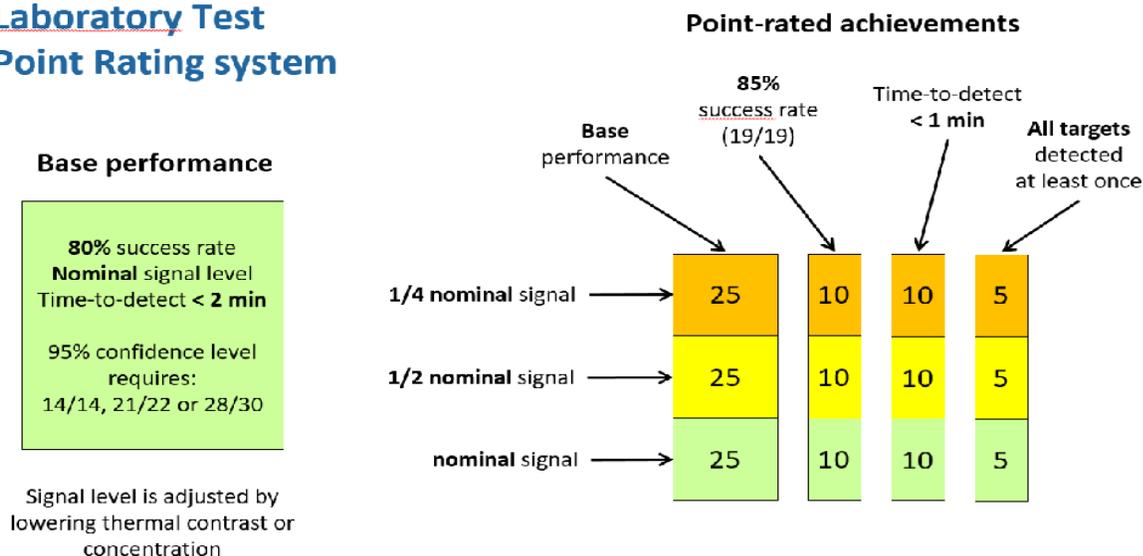
The Bidder will be deemed non-responsive and given no further consideration in the event of failure to submit the Test Reports with the Bid.

- B. Laboratory Test: Bidders that fulfilled the initial compliance above may be invited for a Laboratory Test (Volume 1 - Part 4 - Attachment 1 - Annex 2 - DRDC Bid Eval Lab Test Plan) in order to verify that their proposed systems fully meets the ADIS Detection and Identification (D&I) specification requirements.

The Laboratory test is designed to provide the same geometry as a 50m cloud at 3 km.

- C. Laboratory Test Scoring System: The laboratory test will award points using the scoring System described below:
- Achieve 14/14, 21/22 or 28/30 with a time-to-detect of 2 min or less: +25 pts for each signal level reached;
 - Achieve 19/19: +10 pts for each signal level reached;
 - Achieve a time to detect of 1 min or less: +10 pts for each signal level reached; and
 - Detect all targets at least once: +10 pts for each signal level reached.

Laboratory Test Point Rating system



- D. Test Methodology for Non-FTIR Systems. The DRDC Laboratory Test plan is designed for passive systems and will be used because:
- i. the test procedure chosen as it is the closest setup that can mimic outdoor scenario at a reasonable cost;
 - ii. for evaluation purposes, all bidders must be evaluated based on the same criteria and as such it would not be fair to have a different procedure for each bidder; modifications to the procedure will be made to make it work for the various systems offered; and
 - iii. that procedure was chosen because it was already developed, well tested and published, and is also broadly accepted as a proper lab procedure.

An Industry Day to discuss the particulars of the test plan and procedures will be held after the preliminary Bid Evaluation for those bidders who will be invited to the DRDC Lab Trial.

- E. Test Results: The test results will not be made public.

3. Mandatory Requirements

Each of the following SysRS ID items represent Mandatory Requirements against which the Bidder may be invited to be evaluated at DRDC Valcartier.

Legend:

Analysis	A	Preliminary Proof	PP
Certificate of Conformance	CoC	Test	T
Narrative	N	Test Report	TR

The following table contains the Mandatory items that are extracted from the SysRS. The Bidder must provide supporting documentation as noted in verification methods to support compliance.

Item	SysRS ID	Requirements	Verification Methods	Reference to Proposal
M11	3.1.1 General Requirements			
	3	ADIS must autonomously scan, detect, identify and alarm.	CoC	
	5	ADIS must operate in all of the following configurations as:	CoC	
	6	a. A single independent system; b. a part of an independent network under the control of one Console.	CoC	
M12	3.1.2.1 Scanning Coverage For A Range Of 3 Km			
	9	The ADIS must scan an azimuth coverage of 360°.	CoC	
	10	The ADIS must scan a minimum elevation coverage of -10° to +40° at any azimuth.	CoC	
	11	The ADIS must allow the operator to select a fixed azimuth and elevation, within the coverage limits of the system.	CoC	
	12	The ADIS must complete monitoring coverage of 360° in azimuth and -10° to +40° in elevation in a maximum of 30 minutes.	CoC	
M13	3.1.2.2 Identification Requirements - CWAs			
	14	ADIS must detect and identify all mandatory CWAs listed in Table A of Appendix AA1 to Appendix AA of Annex A. The Detection Criteria is defined as a probability of successful detection and identification of at least 80% (95% confidence level) under the following conditions:	TR	
	15	a. A Chemical Cloud width and depth of 50 meters;		
	16	b. A Chemical Cloud at a distance of 3 km the Detector Head (DH) with an unobstructed line of sight;		
	17	c. A temperature contrast between the cloud and the background (or background and cloud) of 2.0 degrees Kelvin; and		
	18	d. An alarm be raised for the correct substance within 2 minutes of entering the sensor's field of view.		
M14	3.1.2.3 Identification Requirements - TICs			
	25	ADIS must detect and identify at least 10 of the TICs listed in Table B of attachment AA1 to Appendix AA of Annex A.	TR	
M15	3.1.2.5 Scanning Background			
	30	ADIS must be capable of detecting and identifying chemical clouds following a line of sight that does not intersect hard targets (i.e. a uniform temperature	COc	
M16	3.1.2.8 Triangulation Mode			

Item	SysRS ID	Requirements	Verification Methods	Reference to Proposal
	36	ADIS must allow a triangulation when two or more ADIS are connected to the same console in a network.	PP	
M17	3.1.3 Video Camera			
	38	ADIS must have a video camera as a targeting aid for aligning DH with an element of interest.	CoC	
M18	3.1.4 Global Positioning System (GPS)			
	40	ADIS DH must be equipped with a GPS.	CoC	
	41	The console must report the position of the DH to the operator in Military Grid Reference System coordinates or Latitude/Longitude based on	PP	
M19	3.1.5 Compass			
	43	ADIS DH must be equipped with a compass.	CoC	
	44	ADIS must report the DH orientation from true north.	PP	
M20	3.1.7.1 Networked Sensors			
	50	One Console with OEM software must wirelessly operate and control up to and including 2 ADIS.	PP	
	51	One Console with OEM software must, using hard wire, operate and control up to and including 2 ADIS.	PP	
M21	3.1.7.2 Communications with ADIS Console and GFE Equipment			
	55	ADIS DH must be wirelessly controlled using the Console that is connected to a GFE Ethernet radio (Persistent Systems MPU5 radio with RF-2150 module, https://www.persistentsystems.com/mpu5-capabilities/) having a RJ45 connector.	N	
	56	ADIS DH must be controlled up to 100m away using the Console via a wired connection.	N	
M22	3.2.1 The Console Graphical User (GUI)			
	61	ADIS must have a GUI to provide an interactive information display to the operator in accordance with (IAW) MIL-STD-1472G Sect 5.2.2 or any human factors engineering equivalent standards.	N	
		The GUI must:		
	63	a. Display information to the operators in a clear and easy-to-understand format;	N	
	64	b. Permit the configuration of any ADIS in a network;	N	
	65	c. Enable the operator to view the main library of detectable CWA and TIC;	N	

Item	SysRS ID	Requirements	Verification Methods	Reference to Proposal
	66	d. Enable the operator to select the library of detectable CWA and TIC from a series of stored libraries or list of CWAs and TICs;	N	
	67	e. Allow the operator to manually zero the DH in reference to the geographic	N	
	68	f. The GUI must display the azimuth and elevation angles of the DH;	N	
	69	g. Have an indicator for the current function;	N	
	70	h. Be available in Canadian English and Canadian French;	N	
	71	i. Allow the operator to choose between Canadian English or Canadian French upon demand; and	N	
	72	j. In the event of a malfunction of the Console, ADIS must be controllable by a substitute laptop computer running the same ADIS Console software. This will require the capability to download ADIS software onto another laptop.	N	
	73	All ADIS functions including those related to networking operation must be available through the GUI.	N	
M23	3.2.2 Alarm Events at the Console			
	75	ADIS must have visual and audible alarms IAW MIL-STD-1472G, Sections 5.7.2 and 5.3.1 respectively or any human factors engineering equivalent standards.	N	
	76	ADIS must allow the operator to adjust audio alarm intensity.	N	
	77	ADIS must automatically provide audio and visual alarms and messages to the console within 10 seconds of the detection of a chemical threat.	N	
	78	In the event of a detection of a chemical threat, the Console must display a visual alarm IAW MIL-STD-1472G, section 5.2.2 or any human factors engineering equivalent standards.	N	
	79	In the event of a detection of a chemical threat, the Console must sound an auditory alarm IAW MIL-STD-1472G, section 5.3.1.3 or any human factors engineering equivalent standards.	N	
		During an alarm, the Console GUI must display:		
	81	a. The names of all the detected compounds as they appear in the library;	N	
	82	b. The date and time of the event;	N	
	83	c. The zone, in azimuth, of the detected chemical cloud;	N	
	84	d. When two or more ADIS are in a network, which ADIS alarmed; and	N	

Item	SysRS ID	Requirements	Verification Methods	Reference to Proposal
	85	e. ADIS must be able to report triangulation information.	N	
	86	The GUI must provide command, control and visualization over the functions and settings of a single ADIS or all networked ADIS.	N	
	87	The GUI must display a CBRN 4 message using the prefilled fields and the identification data from the deployed ADIS.	N	
		ADIS must allow the operator to:		
	89	a. View and save the CBRN 4 message;	N	
	90	b. Save or copy the status record of detected chemicals and warnings to an external file; and	N	
	91	c. Cancel all audio and visual alarms from the Console.	N	
M24	3.2.3 Alert Events			
	94	In the event of an ADIS malfunction the GUI must display an audible and visual alert IAW MIL-STD-1472G sections 5.2.2 and 5.3.1 respectively or an equivalent human factors standard.	N	
	95	The audio and visual alerts indicating an equipment malfunction must be clearly distinct from those indicating detection of a CWA or TIC.	N	
	96	GUI must maintain and provide a status record of the alert events encountered by ADIS with corresponding time stamp.	N	
	97	ADIS must automatically provide messages to the console within 10 seconds of a malfunction of any ADIS component.	N	
M25	3.2.4 Power			
	99	"ADIS must conform to the relevant Canadian standards. (Reference: https://esasafe.com/electrical-products/recognized-certification-marks/ and https://esasafe.com/electrical-products/product-safety-regulation/)"	CoC	
M26	3.2.4.1.1 External Battery Pack			
	102	ADIS primary power source must be the External Rechargeable Battery Pack.	CoC	
	103	Lithium rechargeable batteries, if used, must comply with UN3481.	CoC	
	104	A single External Battery Pack must provide power for ADIS to operate continuously for at least four hours at 20° C ± 5° C on a single charge.	CoC	

Item	SysRS ID	Requirements	Verification Methods	Reference to Proposal
	106	The External Battery Pack must have a low battery indicator.	CoC	
M27	3.2.4.2 Battery Charger			
	109	The Battery Charger must fully charge the depleted External Battery Pack within 240 minutes or less at 20° C ± 5° C.	N or PP	
	110	The Battery Charger must visually indicate when the External Battery Pack is fully charged.	CoC	
	111	The Battery Charger must visually indicate if there is a fault with the External Battery Pack.	CoC	
	112	The Battery Charger must only engage when the External Battery Pack is at a safe temperature level.	CoC	
	113	The Battery Charger must not overcharge the External Battery Pack.	CoC	
	114	The Battery Charger must accept and use a voltage of 24 V DC	N or PP	
	116	The Battery Charger must accept and use 100-240 V AC ± 10%, 50-60 Hz ± 5%.	CoC	
	117	The Battery Charger AC input must by default include a NEMA 5-15P connector that fits in standard Canadian wall sockets.	N or PP	
M28	3.2.4.3 External Power			
	120	ADIS must operate using input power with a voltage of 24 V DC.	N or PP	
	123	ADIS must operate using input power with a single phase voltage of 100-240 V AC ±10% and a frequency of 50-60Hz ± 5%.	CoC	
	124	ADIS AC power input cable must include a NEMA 5-15P connector that fits in standard Canadian wall sockets.	N or PP	
	126	ADIS must include reverse polarity protection.	CoC	
M29	3.2.5.1 ADIS Set-up Time			
	136	ADIS must be set-up by no more than two operators wearing Individual Protective Equipment (IPE), in less than 60 minutes for a single ADIS.	PP	
M30	3.2.5.2 ADIS Tear-down Time			
	143	ADIS must be torn-down by no more than two operators wearing IPE, in less than 60 minutes.	PP	
M31	3.2.5.3 ADIS Network Set-up Time			
	145	A network of two or six ADIS DHs and a console must be set up and ready to operate within two or six hours respectively, by no more than two operators	PP	

Item	SysRS ID	Requirements	Verification Methods	Reference to Proposal
M32	3.3.1 Transit Cases			
	148	ADIS must be packed in hard shelled, weather proof, ruggedized transit cases.	PP	
		The transit cases must:		
	150	a. Include an air pressure relief valve;	N or PP	
	151	b. Be designed to protect the ADIS hardware during transport;	PP	
	152	c. Include folding handles of sufficient quantity to meet the Human Factors lifting requirements per MIL-STD-1472G Section 5.8.6.3;	N or PP	
	153	d. Be labelled in accordance with the Labelling and Marking section, para 3.4.9; and	N or PP	
	154	e. Be stackable.	N or PP	
M33	3.3.2 Dimensions			
	156	ADIS, in transit configuration, must be transportable using a light truck with dimensions limits of 1.35 m x 1.85 m x 0.90 m without modification to the	PP	
M34	3.3.3 Weight			
	159	While in transit configuration individual loaded transit cases must not exceed 46 kg each.	PP	
M35	3.3.4.1 Ground Mount			
	163	ADIS must include a tripod for ground mounting.	CoC	
		The tripod must meet the following requirements:		
	165	a. Support the combined load of the DH, AZ/EL P, and cables without damage or degradation;	N	
	166	b. Have leg heights that adjust, as a minimum, from 100 cm to 150 cm;	N	
	167	c. Have collapsible, adjustable legs with lock systems, and lockable pan (horizontal swing) and tilt (vertical) movements;	N	
	168	d. Be transportable on the operator's back;	N	
	169	e. The AZ/EL P must mount securely to the tripod without the use of tools; and	N	
	170	f. The AZ/EL P must be capable of being levelled while mounted on the tripod.	N	
M36	3.4.1.1 Radiated Susceptibility			
	177	ADIS must not exhibit any malfunction, degradation of performance, or deviation from specified operation, when subjected to the radiated emissions listed in MIL-STD-461F:		

Item	SysRS ID	Requirements	Verification Methods	Reference to Proposal
	178	a. Method RS101, Figure RS101-2, Navy, from 30 Hz to 100 kHz; and	TR	
	179	b. Method RS103, Table VII, Army Ground, from 2 MHz to 18 GHz.	TR	
M37	3.4.1.2 Radiated Emissions			
	181	Electric field emissions from ADIS must not radiate in excess of those specified in MIL-STD-461F:		
	182	a. Method RE101, Figure RE101-2, Navy; and	TR	
	183	b. Method RE102, Figure RE102-4, Navy Mobile and Army.	TR	
M38	3.4.1.3 Electrostatic Discharge			
	185	ADIS must meet the specifications for electromagnetic environmental effects of electrostatic discharge control in accordance with MIL-STD-464C section 5.8.	CoC	
	186	Compliance must be verified by test MIL-STD-461G CS118, or IEC 64000-4-2 Ed 2.0 Dec 2008. Electromagnetic compatibility (EMC) – Part 4-2: Testing and measurement techniques – Electrostatic discharge immunity test.	CoC	
M39	3.4.1.4 Electrical Bonding			
	188	ADIS must meet the specifications for Electrical Bonding in accordance with MIL-STD-464C section 5.11.3.	CoC	
	189	ADIS electrical bonding must provide electrical continuity across external mechanical interfaces on electrical and electronic equipment, both within the equipment and between the equipment and other system elements, for control of E3 such that the system operational performance requirements are met.	CoC	
M40	3.4.1.5 Grounding			
	191	ADIS must meet the specifications for Electrical Grounding in accordance with MIL-STD-464C sections 5.12.	CoC	
	192	The system must have an external electrical grounding attachment point to which a bonding strap or cable can be attached.	CoC	
M41	3.4.3.1 Acoustic Signature			
	197	The ADIS noise level, except alarms, must be non-detectable at a distance of 30 m in accordance with MIL-STD-1474D, Table 2-1.	N	
M42	3.4.4 Environment, Health and Safety			

Item	SysRS ID	Requirements	Verification Methods	Reference to Proposal
	202	ADIS must not present a safety or health hazard to the operator and must comply with the Canadian Occupational Health and Safety Regulations, SOR/86-30, Parts VII, VIII and X. (Reference: http://laws-lois.justice.gc.ca/eng/regulations/SOR-86-304/page-1.html).	N	
M43	3.4.4.1 Laser Safety			
	204	ADIS must meet ANSI Z136.1-1986 Class I requirements for laser safety.	CoC	
	205	The ADIS laser beam must be invisible.	CoC	
	206	ADIS must include all required bilingual laser safety labels in accordance with ANSI Z136.1 (2000-10-26).	N	
M44	3.4.5 ADIS Security			
	208	ADIS must have operator and administrator or super administrator access levels.	N	
M45	3.4.5.1 Data Logs for Audit			
	210	ADIS must produce, store and display detailed activity logs which include alarms, alerts, and system status.	PP	
		ADIS must create a log entry each time:		
	212	a. An operator, administrator or super administrator logs into ADIS;	N	
	213	b. A mission parameter is changed;	N	
	214	c. The library is modified;	N	
	215	d. All privileged operations are executed;	N	
	216	e. Whenever attempts to elevate privileges failed;	N	
	217	f. There are security related system alerts and failures;	N	
	218	g. There are deletions and modification to System operator and group additions, permissions; and	N	
	219	h. There are unauthorized access attempts to systems and files.	N	
		ADIS data logs must record:		
	221	a. Date and time of the event;	N	
	222	b. Event description;	N	
	223	c. Success or failure of the event; and	N	
	224	d. Event source (e.g. application name).	N	
		ADIS must protect data logs from:		

Item	SysRS ID	Requirements	Verification Methods	Reference to Proposal
	226	a. Modification and unauthorized access; and	N	
	227	b. Whole or partial loss within a definable retention period.	N	
M46	3.4.5.2 Software Malfunction			
	229	Following a software malfunction ADIS must revert to a known safe state.	N	
M47	3.4.6 Human Factors Engineering			
	231	ADIS, while in its transit cases, must be crew-portable by a two-person detachment in accordance with the requirements of MIL-STD-1472G or human factors engineering equivalent.	N	
	232	Vendor supplied ADIS components must be capable of day and night operation and be compatible with night vision goggles (NVG).	N	
	233	An operator clothed in full fighting order (helmet, tactical vest, and ballistic vest) and wearing IPE must be able to operate the ADIS.	N	
	234	An operator clothed in full fighting order (helmet, tactical vest, and ballistic vest) and wearing IPE must be able to perform Operator Maintenance.	N	
	235	ADIS must be operable by the 5th percentile female to the 95th percentile male of the CAF population as defined in DRDC-RDDC-2015-R186. Note: Throughout this specification, if there are discrepancies between MIL-STD-1472G and the anthropometric data in the DRDC Report, the latter will take precedence.	N	
M48	3.4.7.1 Reliability			
	238	ADIS must have a Mean Time Between Failures (MTBF) of at least 1000 hrs.	CoC	
M49	3.4.7.4 Preventive Maintenance			
	247	ADIS must not require preventative maintenance more than once in any 24-hour period except for cleaning the optical lens in dusty conditions and the charging or replacement of batteries.	PP or A	
	248	ADIS preventative maintenance must not exceed 15 minutes per day.	PP	
M50	3.4.7.5 Built In Test (BIT)			
	250	ADIS must include a BIT capable of isolating a failure down to the LRU level and report results to the console.	N	
	251	The BIT must be initiated when ADIS is powered on.	N	
	252	ADIS must log the BIT results.	N	
M51	3.4.7.6 Service Life			

Item	SysRS ID	Requirements	Verification Methods	Reference to Proposal
	254	ADIS must have a minimum 10-year in-service life.	A	
M52	3.4.7.7 Lens Cleaning Kit			
	256	ADIS must include a lens cleaning kit.	N or PP	
M53	3.4.7.8 Cables and Connectors			
	258	Power and data cables must be multi-conductor, shielded, flexible cord.	N	
	260	ADIS cables must be flexible at cold storage temperature, -33°C, in accordance with FED-STD-228A, Method 2011.1, Flexibility, Insulation, and Low Temperature.	N	
	261	All cable connectors must provide strain relief.	N	
	262	All cables and connectors must have captive dust caps.	N	
	263	Unless otherwise stated in this specification, all connectors, inlets and outlets must be in accordance with MIL-DTL-38999L.	CoC	
	264	Cable tags must consist of a white solid background plastic identification marker tube or sleeve printed in dark contrasting ink using a character height not smaller than 2 millimeters and must be covered and protected by clear heat shrink tubing.	CoC	
	265	.ADIS Cables must have a marker tags, "catalogue" and "functional" co-located at each end of every cable.	CoC	
	266	The Catalogue tags must be located at 3-metre intervals where the overall Cable length exceeds 5 meters.	CoC	
	267	The Functional tag must contain the following information: a) Cable functional title (e.g. XX System Battery Charger Power Cable) b) Cable rating (e.g. 110 V Cable) c) Cable Part Number (e.g. P/N XXXX) d) Cable length (e.g. Length XX M)	CoC	
	268	The Catalogue tag must contain the following information: a) NSN xxxx-xx-xxx-xxxx b) Cage Code c) Part Number (e.g. P/N XXXXX) d) Cable length (e.g. Length XX M)	CoC	
	269	Cable connectors and their receptacles must be marked for identification (e.g. P1, C1 etc.)	CoC	
M54	3.4.7.9 Calibration			

Item	SysRS ID	Requirements	Verification Methods	Reference to Proposal
	271	If calibration is required, ADIS must automatically self-calibrate. If calibration is not required, provide Narrative why not.	N and CoC	
M55	3.4.9 Labelling and Marking			
	275	ADIS must bear ID plates in accordance with MIL-STD-1472G, section 5.8.6.3.12 and D-02-002-001/SG-001.	N	
	276	All non-pictorial ADIS safety warnings must be in Canadian English and Canadian French.	N	
	277	ADIS labels and markings must be legible following exposure to the environmental conditions outlined in para 3.5	N	
M56	3.4.10 Sharp Edges			
	279	ADIS must not have any sharp edges and burrs on any interior and exterior surfaces and corners of ADIS per MIL-STD-1472G section 5.7.7.6	N	
M57	3.4.11 Treatment, Painting and Finishes			
	281	All ADIS components must be Green 383 (colour chip 34094), in accordance with FED-STD-595B.	N	
	282	ADIS must have a matte finish, with a gloss value of less than 3 in accordance with ISO 2813.	N	
	283	A Chemical Agent Resistant Coating must be applied on the external paintable surfaces of ADIS, in compliance with MIL-DTL-53072C excluding the transit cases, optics, accessories, GFE and parts for which it would interfere with its operation.	N	
M58	3.5 Environmental Characteristics			
	285	ADIS must meet all performance requirements in this SysRS without degradation of performance of the ADIS and its sub-systems (including any integrated Government Supplied Material (GSM) and Government Furnished Equipment (GFE)) during and after exposure to any combination of the meteorological and induced climatic conditions that can be found within the geographic climatic regions identified in this SysRS and described in MIL-STD-810; or NATO STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2.	CoC	

M59	3.5.1 Temperature – Storage			
	287	ADIS, in its transit cases, must operate following high temperature storage as described in MIL-STD-810G, Method 501.6, Procedure I Table 501.6-II (A2-Basic Hot) Induced Conditions with maximum temperature amended to 60°C.	TR	
Item	SysRS ID	Requirements	Verification Methods	Reference to Proposal
	289	ADIS, in its transit cases, must operate following low temperature storage as described in MIL-STD-810G, Method 502.6, Procedure I using Table 502.6-I (C1-Cold) at constant temperature of -32°C.	TR	
M60	3.5.2 Temperature – Operation			
	292	ADIS must operate during high temperature extremes as described in MIL-STD-810G, Method 501.6, Procedure II, using Table 501.6-II (A2-Basic Hot) Ambient Air Conditions with maximum temperature amended to 40°C	TR	
	294	ADIS must operate during Low Temperature extremes as described in MIL-STD-810G, Method 502.6, Procedure II and III using Table 502.6-I (C1-Cold) at constant temperature amended to -20°C.	TR	
M61	3.5.3 Humidity			
	297	ADIS must operate during and after exposure to high relative humidity up to 95% ± 5% as described in MIL-STD-810G, Method 507.6, Procedure II (10 day Aggravated Cycle).	TR	
M62	3.5.4 Thermal Shock			
	299	ADIS must operate after being subjected to thermal shocks as described in MIL-STD-810G, Method 503.6, Procedure I-C with test temperature limits of +40°C and -20°C, or Procedure I-D when transferred from a controlled ambient condition of 20°C to a cold environment of -20°C and from a controlled ambient condition of 20°C to a hot environment at +40°C.	TR	
M63	3.5.5 Solar Radiation			
	301	ADIS must operate throughout temperature cycles and solar radiation of up to 1120 W/m ² as described in MIL-STD-810G, method 505.6, Figure 505.6-1 Procedure I (A1-Hot Dry). Please refer to Vol 1 page 47, Attachment 2B to Part 4, Section 1.	TR	
M64	3.5.6 Blowing Rain			

	303	ADIS must operate while and after being exposed to Blowing Rain as described in MIL-STD-810G, Method 506.6, Procedure I, using rainfall rate of 1.7 mm/min (4 in/hr),	TR	
M65	3.5.9 Dust			
	309	ADIS must operate with the optics covered during, and operate with the optics uncovered following exposure to blowing dust as described in MIL-STD-810G, Method 510.6, Procedures I, after the optical lens has been cleaned off. An IP6X rating is also a sufficient means to demonstrate compliance to this requirement.	TR	
M66	3.5.12 Vibration			
Item	SysRS ID	Requirements	Verification Methods	Reference to Proposal
	315	ADIS must not be damaged and operate following a standardized vibration test.	TR	
	316	ADIS, while in its transit cases, must not be damaged and operate following secured cargo transportation in military pattern vehicle transportation as described in MIL-STD-810G, Method 514.7, Procedure I, Category 20 - Ground Vehicles (Composite Wheeled Vehicle – 1 minute exposure per 20 km).	N	
	318	The ADIS, while in its transit cases, must not be damaged and operate following secured cargo transportation in a CH-146 Griffon and a CH-47 Chinook helicopter as described in MIL-STD-810G, Method 514.7, Procedure I, Category 9 – Helicopter, simulating 312 flight hours.	N	
	319	The ADIS, while in its transit cases, must not be damaged and operate following secured cargo transportation in a CC-130J Hercules aircraft as described in MIL-STD-810G, Method 514.7, Procedure I, Category 8 – Propeller Aircraft, simulating 20 flight hours.	N	
M67	3.5.13 Shock			
	321	The ADIS, while in its transit cases, must operate following a tactical transport drop test as described in MIL-STD-810G, method 516.7, Procedure IV, for infantry and man-carried equipment.	N	
M68	3.6.1 New Materials			
	327	ADIS must be built using new materials.	CoC	
	328	No ADIS part must be used for which the contractor suspects or has been formally or informally notified of their proposed production termination.	CoC	

4.2 Point Rated Criteria

The Bidder is requested to indicate in the “Bidder Response” column below whether the requirements are “Offered” or “Not Offered”.

If a requirement is offered, the Bidder must provide a technical or scientific approach of how they will achieve this requirement to enable DND to evaluate. The technical or scientific approach should provide details/evidence highlighting past projects and expertise including but not limited to analysis, sample outputs, excerpts from product manuals, complete specification data, studies, drawings, diagrams, test reports, and certification. DND will then assign a score based on the comprehensiveness, depth, thoroughness, validity, and feasibility of the technical or scientific approach offered. No partial scored will be offered for any requirement. The technical or scientific approach must be referenced within the Bid Package for each desirable requirement offered.

A maximum of 300 points can be awarded in this phase. That score will be prorated to a score out of 50%.

Item	SysRS ID	Description	Bidder Response	Reference to Proposal
PR14	19	3.1.2.2 Identification Requirements - CWAs ADIS should detect and identify all CWAs listed in Table A of Attachment AA1 to Appendix AA of Annex A at the lowest possible detection levels. The Detection Criteria is defined as a probability of successful detection and identification of at least 80% (95% confidence level) under the following conditions:		
	20	a. A Chemical Cloud width and depth of 50 meters or less;		
	21	b. A Chemical Cloud at a distance of 3 km or more from the DH with an unobstructed line of sight;		
	22	c. A temperature contrast between the Chemical Cloud and the background (or background and cloud) of 2 degrees Kelvin or less; and		
	23	d. An alarm be raised for the correct substance within 2 minutes or less of entering the sensor's field of view.		
			Verification Method: Scoring: 150 points – refer to DRDC Bid Evaluation Lab Test (Ref. Attachment 3 to Part 4 DRDC Bid Evaluation Lab Test Plan). Minimum required score: 25 points	
PR15	26	3.1.2.3 Identification Requirements – TICs ADIS should detect and identify more than 10 of the TICs listed in Table B of Attachment AA1 to Appendix AA of Annex A. Verification Method: Test Report Scoring Methodology: 2 points for every 10 TICs to a maximum of 10 points.		
PR16	28	3.1.2.4 Cloud Boundaries ADIS should be able to display the chemical cloud's left-side and right-side boundaries to be plotted on a map and transmitted via a CBRN 4 message. Verification Method: Preliminary Proof Scoring: 2 points		
		3.1.2.6 False Alarm Rate		

Item	SysRS ID	Description	Bidder Response	Reference to Proposal
PR17	32	The ADIS should have a false alarm rate of 2/24 hours or lower. Verification Method: Test Report Scoring: 2 points		
PR18	34	3.1.2.7 Multiple Targets ADIS should detect and identify multiple distinct (not overlapping or mixed) Chemical Clouds, composed of any substance in its library, simultaneously present within the coverage area. Verification Method: Test Report Scoring: 2 points		
PR19	52	3.1.7.1 Networked Sensors One Console with OEM software should wirelessly operate and control up to and including 6 ADIS. Verification Method: Preliminary Proof Scoring Methodology: 4 ADIS = 5 points; 6 ADIS = 10 points		
PR20	53	One Console with OEM software should, using hard wire, operate and control up to and including 4 ADIS. Verification Method: Preliminary Proof Scoring Methodology: 4 ADIS = 5 points; 6 ADIS = 10 points In order to receive the 5 points, 4 ADIS should be networked. If it is shown that 6 systems can be networked, 10 points will be awarded		
PR21	58	3.1.7.3 Communications with External Networks ADIS should be able to communicate CBRN sensor data described in Vol 1 #M23, to an external independent network. Verification Method: Certificate of Conformance (CoC) Scoring: 5 points		

PR22	92	3.2.2 Alarm Events at the Console ADIS should allow the operator to disable or enable further alarms triggered by certain signatures or sources. Verification Method: Narrative Scoring: 3 points		

Item	SysRS ID	Description	Bidder Response	Reference to Proposal
PR23	105	<p>3.2.4.1.1 External Battery Pack</p> <p>A single External Battery Pack should provide power for ADIS to operate continuously for more than 4 hours at 20° C ± 5° C on a single charge.</p> <p>Verification Method: Narrative or Preliminary Proof</p> <p>Scoring Methodology: >4 or <5 = 5 pts; >5 and <6 = 10 pts; >6 = 15 pts</p>		
PR24	107	<p>ADIS should allow hot-swappable battery replacement without powering down the ADIS.</p> <p>Verification Method: Narrative</p> <p>Scoring: 3 points</p>		
PR25	115	<p>3.2.4.2 Battery Charger</p> <p>The Battery Charger should accept and use a voltage range of 12-36 V DC.</p> <p>Verification Method: Narrative or Preliminary Proof</p> <p>Scoring: 2 points</p>		
PR26	118	<p>The Battery Charger should comply with MIL-STD-1275E, sections 5.1.1, 5.1.2 and 5.1.3.</p> <p>Verification Method: Narrative OR Preliminary Proof</p> <p>Scoring: 2 points</p>		
PR27	121	<p>3.2.4.3 External Power</p> <p>ADIS should operate using input power with a voltage range of 12-36 V DC.</p> <p>Verification Method: Narrative OR Preliminary Proof</p> <p>Scoring: 2 points</p>		
PR28	122	<p>ADIS should comply with MIL-STD-1275E sections 5.1.1, 5.1.2 and 5.1.3.</p> <p>Verification Method: Narrative OR Preliminary Proof</p> <p>Scoring: 2 points</p>		
PR29	125	<p>ADIS should have automatic changeover from one source of power to another without a full shutdown.</p> <p>Verification Method: Narrative OR Preliminary Proof</p> <p>Scoring: 2 points</p>		

Item	SysRS ID	Description	Bidder Response	Reference to Proposal
PR30	157	<p>3.3.2 Dimensions ADIS, in transit configuration, should be transportable using a utility transport vehicle with dimensions limits of 1.15 m x 1.52 m x 0.83 m without modification to the vehicle. Verification Method: Preliminary Proof Scoring: 2 points</p>		
PR31	160	<p>3.3.3 Weight No ADIS component intended for single-person carry should weigh more than 35 kg. Verification Method: Preliminary Proof Scoring: 2 points</p>		
PR32	172	<p>3.3.4.2 Vehicle Mount ADIS should offer a vehicle mount. Verification Method: Certification of Conformance Scoring: 2 points</p>		
PR33	173	<p>ADIS should offer a telescoping mast. Verification Method: Certification of Conformance Scoring: 2 points</p>		
PR34	194	<p>3.4.2 Emissions Security ADIS should, as a system, meet TEMPEST Level II compliance in accordance with CID/09/15A Level II, SDIP 27 Level B, or an equivalent TEMPEST standard for the transmission of classified information such as signatures of classified agents and, during some operations, the location of the ADIS Detector Head or the location of the detected cloud. Verification Method: Narrative Scoring: 2 points</p>		
PR35	198	<p>3.4.3.1 Acoustic Signature The ADIS noise level, except alarms, should be non-detectable at a distance of 10 m in accordance with MIL-STD-1474D, Table 2-1. Verification Method: Narrative Scoring: 3 points</p>		

Item	SysRS ID	Description	Bidder Response	Reference to Proposal
PR36	200	<p>3.4.3.2 Visual Signature ADIS should have a "Black Out" function, in which all external light sources, except the Console are extinguished so that no visible light is emitted. Verification Method: Narrative Scoring: 2 points</p>		
PR37	239	<p>3.4.7.1 Reliability ADIS should have a MTBF of at least 2500 hrs. Verification Method: Certificate of Conformance Scoring: 2 points</p>		
PR38	242 243 244 245	<p>3.4.7.3 Operator Maintenance ADIS should have a Mean-Time-To-Repair at the First Line of 60 minutes. This includes ALL of the following: a. Isolate the problem to the Line Replaceable Unit (LRU); b. Remove/replace the faulty LRU; and c. Verify the serviceable condition of ADIS. Verification Method: Preliminary Proof Scoring: 2 points</p>		
PR39	259	<p>3.4.7.8 Cables and Connectors Data cables should be flexible fibre-optic cables. Verification Method: Narrative Scoring: 2 points</p>		
PR40	273	<p>3.4.8 Contamination by Fluids ADIS performance should not be degraded when exposed to the following 10 chemicals, as described in MIL-STD-810G, Method 504.1, Procedure II.</p> <ol style="list-style-type: none"> 1. Cleaning compound, solvent (Rifle bore cleaner); 3. Engine Oil; 		

Item	SysRS ID	Description	Bidder Response	Reference to Proposal
		<p>4. Lubricant, semi-fluid, automatic weapons; 5. Lubricating oil, general purpose, preservative (water displacing, low temperature); 7. Gasoline, commercial, or combat;B62B62 9. Fuel oil diesel (DL-2) and other Grades; 10. Insect repellent, personal application; 14. Simulated sea water or 5% NaCl; 20. DS-200 Decontaminating Agent; and 25. Other Solvents.</p> <p>Verification Method: Test Report Scoring: 0.5 points for each chemical to a maximum of 5 points.</p>		
PR41	288	<p>3.5.1 Temperature – Storage ADIS, in its transit cases, should operate following high temperature storage as described in MIL-STD-810G, Method 501.6, Procedure I using Table 501.6-III (A1-Hot Dry) Induced Conditions.</p> <p>Verification Method: Test Report Scoring: 8 points</p>		
PR42	290	<p>ADIS, in its transit cases, should operate following low temperature storage as described in MIL-STD-810G, Method 502.6, Procedure I using Table 502.6-1 (C3- Severe Cold) at a constant temperature of -51°C.</p> <p>Verification Method: Test Report Scoring: 6 points</p>		
PR43	293	<p>3.5.2 Temperature – Operation ADIS should operate during high temperature extremes as described in MIL-STD-810G, Method 501.6, Procedure II, using Table 501.6-III (A1-Hot Dry) Ambient Air Conditions.</p> <p>Verification Method: Test Report Scoring: 8 points</p>		

Item	SysRS ID	Description	Bidder Response	Reference to Proposal
PR44	295	ADIS should operate during exposure to low temperature extremes as described in MIL-STD-810G, Method 502.6, Procedure II using Table 502.6-I (C1-Cold) at constant temperature of -32°C. Verification Method: Test Report Scoring: 5 points		
PR45	305	3.5.7 Freezing Rain ADIS should operate following exposure to a buildup of 6 mm of freezing rain as described in MIL-STD-810G, Method 521.4, and after the optical and moving parts are freed from ice. Verification Method: Test Report Scoring: 2 points		
PR46	307	3.5.8 Snow ADIS should withstand snow loads of 49 kg/m ² of area as described in MIL-HDBK-310 section 5.1.13.3 for portable equipment. Verification Method: Certificate of Conformance Scoring: 2 points		
PR47	311	3.5.10 Salt Fog ADIS should operate following exposure to salt fog as described in MIL-STD-810G, Method 509.6 after the optical lens has been cleaned off. Verification Method: Test Report Scoring: 5 points		
PR48	313	3.5.11 Fungus ADIS should be constructed of fungus resistant materials. Verification Method: Certificate of Conformance Scoring: 2 points		
PR49	317	3.5.12 Vibration		

Item	SysRS ID	Description	Bidder Response	Reference to Proposal
		<p>The ADIS, while in its transit cases, should not be damaged and operate following truck/trailer transportation as described in MIL-STD-810G, Method 514.7, Procedure II, Category 5 – Loose Cargo.</p> <p>Verification Method: Test Report</p> <p>Scoring: 7 points</p>		
PR50	322	<p>3.5.13 Shock</p> <p>The ADIS, while outside of its transit cases, should operate following a tactical transport drop test as described in MIL-STD-810G, method 516.7, Procedure IV, for infantry and man-carried equipment.</p> <p>Verification Method: Test Report</p> <p>Scoring: 5 points</p>		
PR51	324	<p>3.5.14 High Altitude</p> <p>ADIS should operate at altitudes up to 3,000 m in accordance with MIL-STD-810G, Method 500.6, Procedure II.</p> <p>Verification Method: Test Report</p> <p>Scoring: 2 points</p>		

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 Integrity declaration form available on the Forms for the Integrity Regime website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 Certifications Required Precedent to Contract Award

The certifications and additional information listed below and in **Attachment 1 to Part 5 - Certifications Precedent to Contract Award**, 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 specified will render the bid non-responsive.

5.2.1 Integrity Provisions –Required Information

By submitting a bid, the Bidder certifies that the Bidder and its Affiliates are in compliance with the provisions as stated in Section 01 Integrity Provisions - Bid of Standard Instructions **2003**. The associated information required within the Integrity Provisions will assist Canada in confirming that the certifications are true.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list (http://www.labour.gc.ca/eng/standards_equality/eq/emp/fcp/list/inelig.shtml) available from Employment and Social Development Canada (ESDC) - Labour's website

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.

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](#)" list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed [Federal Contractors Program for Employment Equity - Certification found at Attachment 1 to Part 5](#), before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

5.3 Additional Certifications Precedent to Contract Award

5.3.1 Status and Availability of Resources

The Bidder certifies that, should it be awarded a contract as a result of the bid solicitation, every individual proposed in its bid will be available to perform the Work as required by Canada's representatives and at the time specified in the bid solicitation or agreed to with Canada's representatives. If for reasons beyond its control, the Bidder is unable to provide the services of an individual named in its bid, the Bidder may propose a substitute with similar qualifications and experience. The Bidder must advise the Contracting 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 Bidder: death, sickness, maternity and parental leave, retirement, resignation, dismissal for cause or termination of an agreement for default.

If the Bidder has proposed any individual who is not an employee of the Bidder, the Bidder certifies that it has the permission from that individual to propose his/her services in relation to the Work to be performed and to submit his/her résumé to Canada. The Bidder must, upon request from the Contracting Authority, provide a written confirmation, signed by the individual, of the permission given to the Bidder and of his/her availability. Failure to comply with the request may result in the bid being declared nonresponsive.

5.3.2 Education and Experience [A3010T \(2010-08-16\)](#)

The Bidder certifies that all the information provided in the résumés and supporting material submitted with its bid, particularly the information pertaining to education, achievements, experience and work history, has been verified by the Bidder to be true and accurate. Furthermore, the Bidder warrants that every individual proposed by the Bidder for the requirement is capable of performing the Work described in the resulting contract.

5.3.3 Language Capability

By submitting a bid, the Bidder certifies that it has the language capability required to perform the Work, as stipulated in the Statement of Requirement and Statement of Work.

5.4 Additional Information

5.4.1 Procurement Business Number

Canadian suppliers are required to have a Procurement Business Number (PBN) prior to contract award in order to receive a PWGSC contract. Suppliers may register for a PBN online at Supplier Registration Information (<https://srisupplier.contractsCanada.gc.ca>). For non-Internet registration, suppliers may contact the InfoLine at 1-800-811-1148 to obtain the telephone number of the nearest Supplier Registration Agent.

PBN: _____

5.4.2 Applicable Laws

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

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

Applicable laws: _____

5.4.3 Bidders' Legal Representative

The contractor's representative must be able to sign the contract and legally bind the entity.

Name _____ Title _____

Legal Name of Entity _____ Operating As _____

Address _____

Telephone _____ Email _____

5.4.4 Bidders Technical Representative – ADIS Acquisition

Name _____ Title _____

Telephone _____ Email _____

5.4.5 Bidders' Technical Representative – ADIS In-Service Support

Name _____	Title _____
Telephone _____	Email _____

5.4.6 Bidder's Proposed Site(s) or Premises Requiring Safeguarding Measures

As indicated in Volume 1 - Part 6 Security Requirements, the Bidder must provide the full address(es) of the Bidder's and proposed individual(s)' site(s) or premises for which safeguarding measures are required for Work Performance:

- Street Number / Street Name, Unit / Suite / Apartment Number
- City, Province, Territory / State
- Postal Code / Zip Code
- Country

The Company Security Officer (CSO) must ensure through the Industrial Security Program (ISP) that the Bidder and proposed individual(s) hold a valid security clearance at the required level, as indicated in Part 6 – Security, Financial and Other Requirements.

ATTACHMENT 1 to PART 5
FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY – CERTIFICATION

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit Employment and Social Development Canada (ESDC)-Labour's website.

Date: _____ (YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

- A1. The Bidder certifies having no work force in Canada.
- A2. The Bidder certifies being a public sector employer.
- A3. The Bidder certifies being a federally regulated employer being subject to the Employment Equity Act.
- A4. The Bidder certifies having a combined work force in Canada of less than 100 employees (combined work force includes: permanent full-time, permanent part-time and temporary employees [temporary employees only includes those who have worked 12 weeks or more during a calendar year and who are not full-time students]).
- A5. The Bidder has a combined workforce in Canada of 100 or more employees; and
- A5.1 The Bidder certifies already having a valid and current Agreement to Implement Employment Equity (AIEE) in place with ESDC-Labour.
- OR**
- A5.2 The Bidder certifies having submitted the Agreement to Implement Employment Equity (LAB1168) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC-Labour.

B. Check only one of the following:

- B1. The Bidder is not a Joint Venture.

OR

- B2. The Bidder is a Joint venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)

PART 6 - SECURITY, FINANCIAL AND OTHER REQUIREMENTS**6.1 Security Requirements**

Before award of a contract, the following conditions must be met:

6.2 Security Requirements - ADIS Acquisition Contract - W8476-145109/001/sl**6.2.1 Canadian Contractor**

- A. The Contractor/Subcontractor must, at all times during the performance of the Contract/Standing Offer, hold a valid Facility Security Clearance at the level of **SECRET**, issued by the Canadian Industrial Security Directorate (CISD), **Public Works and Government Services Canada (PWGSC)**.
- B. The Contractor/Subcontractor personnel requiring access to sensitive work site(s) must EACH hold a valid personnel security screening at the level of **SECRET**, granted or approved by CISD/PWGSC. Until the security screening of the Contractor personnel required by this Contract has been completed satisfactorily by CISD, PWGSC, the Contractor personnel **MAY NOT ENTER** sites without an escort.
- C. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of CISD/PWGSC.
- D. 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).

OR

6.2.2 Foreign Contractor

- A. The Foreign recipient **Contractor/Subcontractor** shall, at all times during the performance of the **Contract / Subcontract**, hold a valid Facility Security Clearance (FSC), issued by the NSA/DSA of **the supplier's country**, at the equivalent level of **SECRET** in accordance with the national policies of **the supplier's country**.
- B. All **CANADA CLASSIFIED** information/assets accessed by the Foreign recipient **Contractor / Subcontractor** shall NOT be safeguarded at the Foreign recipient's sites.
- C. **CANADA CLASSIFIED** information/assets shall be released only to Foreign recipient **Contractor / Subcontractor** personnel, who have a need-to-know for the performance of the **Contract / Subcontract** and who have a Personnel Security Clearance at the level of **SECRET**, granted by their respective National Security Authority (NSA) or Designated Security Authority (DSA) of **the supplier's country**, in accordance with national policies of **the supplier's country**.
- D. Subcontracts which contain security requirements are **NOT** to be awarded without the prior written permission of their respective National Security Authority (NSA) or Designated Security Authority (DSA), in accordance with the national policies of **the supplier's country**.

- E. The Foreign recipient **Contractor / Subcontractor** visiting Canadian Government or industrial facilities, under this contract, will submit a Request for Visit form to Canada's Designated Security Authority (DSA) through their respective National Security Authority (NSA) or Designated Security Authority (DSA).
- F. The Foreign recipient **Contractor / Subcontractor** shall immediately report to its respective National Security Authority (NSA) or Designated Security Authority (DSA) all cases in which it is known or there is reason to suspect that **CANADA CLASSIFIED** information/assets accessed by the Foreign recipient **Contractor / Subcontractor**, pursuant this **Contract / Subcontract**, have been lost or disclosed to unauthorized persons.
- G. The Foreign recipient **Contractor / Subcontractor** shall comply with the provisions of the International bilateral industrial security instrument between **the supplier's country** and Canada, in relation to equivalencies.
- H. The Foreign recipient **Contractor / Subcontractor** must comply with the provisions of the Security Requirements Check List attached at Annex C.
- I. In the event that a Foreign recipient **Contractor / Subcontractor** is chosen as a supplier for this Contract, subsequent Country-Specific Foreign security requirement clauses shall be generated and promulgated by the Canadian DSA, and provided to the Government of Canada Contracting Authority, to ensure compliance with the security provisions, as defined by the Canadian DSA, in relation to equivalencies.

6.3 Security Requirement In-Service Support - W8476-165477/001/sl

6.3.1 Canadian Contractors

- A. The Contractor must, at all times during the performance of the Contract, hold a valid Designated Organization Screening (DOS), issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
- B. The Contractor personnel requiring access to sensitive work site(s) must EACH hold a valid RELIABILITY STATUS, granted or approved by CISD/PWGSC. Until the security screening of the Contractor personnel required by this Contract has been completed satisfactorily by CISD, PWGSC, the Contractor personnel **MAY NOT ENTER** sites without an escort.
- C. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of CISD/PWGSC.
- D. The Contractor must comply with the provisions of the:
 - a) Security Requirements Check List and security guide (if applicable), attached at Annex C;
 - c) *Industrial Security Manual* (Latest Edition).

OR

6.3.2 Security Requirements for Foreign Contractors

The Canadian Designated Security Authority (Canadian DSA) for industrial security matters in Canada is the Industrial Security Sector (ISS), Public Works and Government Services Canada (PWGSC), administered by International Industrial Security Directorate (IISD), PWGSC. The Canadian DSA is the authority for confirming **Contractor/Subcontractor** compliance with the security requirements for foreign suppliers. The following security requirements apply to the foreign recipient **Contractor/Subcontractor** incorporated or authorized to do business in a jurisdiction other than Canada and delivering outside of Canada the services listed and described in the subsequent **contract/subcontract**.

- A. The Foreign recipient **Contractor/Subcontractor** must be from a Country within the North Atlantic Treaty Organization (NATO), the European Union (EU) or from a country with which Canada has an international bilateral security instrument. The Contract Security Program (CSP) has international bilateral security instruments with the countries listed on the following PWGSC website: <http://www.tpsgc-pwgsc.gc.ca/esc-src/international-eng.html>.
- B. The Foreign recipient **Contractor/Subcontractor** must, at all times during the performance of the **contract/subcontract**, hold an equivalence to a valid Designated Organization Screening (DOS), issued by the Canadian DSA as follows:
 - I. The Foreign recipient **Contractor/Subcontractor** must provide proof that they are incorporated or authorized to do business in their jurisdiction.
 - II. The Foreign recipient **Contractor/Subcontractor** must not begin the work, services or performance until the Canadian Designated Security Authority (DSA) is satisfied that all contract security requirement conditions have been met. Canadian DSA confirmation must be provided, in writing, to the foreign recipient **Contractor/Subcontractor** in an Attestation Form, to provide confirmation of compliance and authorization for services to be performed.
 - III. The Foreign recipient **Contractor/Subcontractor** must identify an authorized Contract Security Officer (CSO) and an Alternate Contract Security Officer (ACSO) (if applicable) to be responsible for the overseeing of the security requirements, as defined in this **contract/subcontract**. This individual will be appointed by the proponent foreign recipient **Contractor's/Subcontractor's** Chief Executive officer or Designated Key Senior Official, defined as an owner, officer, director, executive, and or partner who occupy a position which would enable them to adversely affect the organization's policies or practices in the performance of the **contract/subcontract**.
- C. The Foreign recipient **Contractor/Subcontractor** must not permit access to Canadian restricted sites, except to its personnel subject to the following conditions:
 - a. Personnel have a need-to-know for the performance of the **contract/subcontract**;
 - b. Personnel have been subject to a Criminal Record Check, with favorable results, from a recognized governmental agency or private sector organization in **their country** as well as a Background Verification, validated by the Canadian DSA;
 - c. The Foreign recipient **Contractor/Subcontractor** must ensure that personnel provide consent to share results of the Criminal Record and Background Checks with the Canadian DSA and other Canadian Government Officials, if requested; and

- d. The Government of Canada reserves the right to deny access to Canadian restricted sites to a foreign recipient **Contractor/Subcontractor** for cause.
- D. The foreign recipient **Contractor/Subcontractor** requiring access to Canadian restricted sites, under this **contract/subcontract**, must submit a Request for Site Access to the Departmental Security Officer of the Department of National Defence.
- E. In the event that a Foreign recipient **Contractor/Subcontractor** is chosen as a supplier for this contract, subsequent country-specific foreign security requirement clauses must be generated and promulgated by the Canadian DSA, and provided to the Government of Canada Contracting Authority, to ensure compliance with the security provisions, as defined by the Canadian DSA, in relation to equivalencies.
- F. Subcontracts which contain security requirements are **NOT** to be awarded without the prior written permission of the Canadian DSA.
- G. The Foreign recipient **Contractor/Subcontractor** must comply with the provisions of the Security Requirements Check List attached at Annex C.

6.4 Financial Capability

- A. Financial Capability Requirement: The Bidder must have the financial capability to fulfill this requirement. To determine the Bidder's financial capability, the Contracting Authority may, by written notice to the Bidder, require the submission of some or all of the financial information detailed below during the evaluation of bids. The Bidder must provide the following information to the Contracting Authority within fifteen (15) working days of the request or as specified by the Contracting Authority in the notice:
 - a. Audited financial statements, if available, or the unaudited financial statements (prepared by the Bidder's outside accounting firm, if available, or prepared in-house if no external statements have been prepared) for the Bidder's last three fiscal years, or for the years that the Bidder has been in business if this is less than three years (including, as a minimum, the Balance Sheet, the Statement of Retained Earnings, the Income Statement and any notes to the statements).
 - b. If the date of the financial statements in (a) above is more than five months before the date of the request for information by the Contracting Authority, the Bidder must also provide, unless this is prohibited by legislation for public companies, the last quarterly financial statements (consisting of a Balance Sheet and a year-to-date Income Statement), as of two months before the date on which the Contracting Authority requests this information.
 - c. If the Bidder has not been in business for at least one full fiscal year, the following must be provided:
 - i. the opening Balance Sheet on commencement of business (in the case of a corporation, the date of incorporation); and
 - ii. the last quarterly financial statements (consisting of a Balance Sheet and a year-to-date Income Statement) as of two months before the date on which the Contracting Authority requests this information.

- iii. A certification from the Chief Financial Officer or an authorized signing officer of the Bidder that the financial information provided is complete and accurate.
 - iv. A confirmation letter from all of the financial institution(s) that have provided short-term financing to the Bidder outlining the total of lines of credit granted to the Bidder and the amount of credit that remains available and not drawn upon as of one month prior to the date on which the Contracting Authority requests this information.
 - v. A detailed monthly Cash Flow Statement covering all the Bidder's activities (including the requirement) for the first four years of the requirement that is the subject of the bid solicitation, unless this is prohibited by legislation. This statement must detail the Bidder's major sources and amounts of cash and the major items of cash expenditures on a monthly basis, for all the Bidder's activities. All assumptions made should be explained as well as details of how cash shortfalls will be financed.
 - vi. A detailed monthly Project Cash Flow Statement covering the first four years of the requirement that is the subject of the bid solicitation, unless this is prohibited by legislation. This statement must detail the Bidder's major sources and amounts of cash and the major items of cash expenditures, for the requirement, on a monthly basis. All assumptions made should be explained as well as details of how cash shortfalls will be financed.
- B. If the Bidder is a joint venture, the financial information required by the Contracting Authority must be provided by each member of the joint venture.
- C. If the Bidder is a subsidiary of another company, then any financial information in 6.2.1. (a) to (g) above required by the Contracting Authority must be provided by the ultimate parent company. Provision of parent company financial information does not by itself satisfy the requirement for the provision of the financial information of the Bidder, and the financial capability of a parent cannot be substituted for the financial capability of the Bidder itself unless an agreement by the parent company to sign a Parental Guarantee, as drawn up by Public Works and Government Services Canada (PWGSC), is provided with the required information.
- D. Financial Information Already Provided to PWGSC: The Bidder is not required to resubmit any financial information requested by the Contracting Authority that is already on file at PWGSC with the Contract Cost Analysis, Audit and Policy Directorate of the Policy, Risk, Integrity and Strategic Management Sector, provided that within the above-noted time frame:
- a. the Bidder identifies to the Contracting Authority in writing the specific information that is on file and the requirement for which this information was provided; and
 - b. the Bidder authorizes the use of the information for this requirement.
- E. It is the Bidder's responsibility to confirm with the Contracting Authority that this information is still on file with PWGSC.
- F. Other Information: Canada reserves the right to request from the Bidder any other information that Canada requires to conduct a complete financial capability assessment of the Bidder.

- G. Confidentiality: If the Bidder provides the information required above to Canada in confidence while indicating that the disclosed information is confidential, then Canada will treat the information in a confidential manner as permitted by the Access to Information Act, R.S., 1985, c.c. A-1, Section 20(1) (b) and (c).
- H. Security: In determining the Bidder's financial capability to fulfill this requirement, Canada may consider any security the Bidder is capable of providing, at the Bidder's sole expense (for example, an irrevocable letter of credit from a registered financial institution drawn in favour of Canada, a performance guarantee from a third party or some other form of security, as determined by Canada).

6.5 Controlled Goods Requirement

- A. As the resulting contract will require the production of or access to controlled goods that are subject to the [Defence Production Act](#), R.S. 1985, c. D-1, bidders are advised that within Canada only persons who are registered, exempt or excluded under the Controlled Goods Program (CGP) are lawfully entitled to examine, possess or transfer controlled goods. Details on how to register under the CGP are available at: [Controlled Goods Program](#) and registration is carried out as follows:
- a. When the bid solicitation includes controlled goods information or technology, the Bidder must be registered, exempt or excluded under the CGP before receiving the bid solicitation. Requests for technical data packages or specifications related to controlled goods should be made in writing to the Contracting Authority identified in the bid solicitation and must contain the CGP registration number or written proof of exemption or exclusion of the Bidder and of any other person to whom the Bidder will give access to the controlled goods.
 - b. When the bid solicitation does not include controlled goods information or technology but the resulting contract requires the production of or access to controlled goods, the successful Bidder and any subcontractor who will be producing or accessing controlled goods must be registered, exempt or excluded under the CGP before examining, possessing or transferring controlled goods.
 - c. When the successful Bidder and any subcontractor proposed to examine, possess or transfer controlled goods are not registered, exempt or excluded under the CGP at time of contract award, the successful Bidder and any subcontractor must, within seven (7) working days from receipt of written notification of contract award, ensure that the required application(s) for registration or exemption are submitted to the CGP. No examination, possession or transfer of controlled goods must be performed until the successful Bidder has provided proof, satisfactory to the Contracting Authority that the successful Bidder and any subcontractor are registered, exempt, or excluded under the CGP.

Failure to provide proof, satisfactory to the Contracting Authority, that the successful Bidder and any subcontractor are registered, exempt or excluded under the CGP, within thirty (30) days from receipt of written notification of contract award, will be considered a default under the resulting contract except to the extent that Canada is responsible for the failure due to delay in processing the application.

- B. Bidders are advised that all information on the Application for Registration (or exemption) Form will be verified and errors or inaccuracies may cause significant delays and/or result in denial of registration or exemption.

PART 7 – DRAFT RESULTING CONTRACTS

The Draft Resulting Contract for ADIS Acquisition is attached hereto as a separate document under the file name:

ADIS EN RFP VOL 2

The Draft Resulting Contract for ADIS In-Service Support is attached hereto as a separate document under the file name:

ADIS EN RFP VOL 3