



**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

Bid Receiving - PWGSC / Réception des
soumissions → TPSGC
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
Core 0B2 / Noyau 0B2
Gatineau
Quebec
K1A 0S5
Bid Fax: (819) 997-9776

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

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

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

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

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

Comments - Commentaires

Title - Sujet (ISS) for the Beyond Line-Of-Sight	
Solicitation No. - N° de l'invitation W8485-205946/A	Date 2020-12-04
Client Reference No. - N° de référence du client W8485-205946	
GETS Reference No. - N° de référence de SEAG PW-\$\$QT-003-28003	
File No. - N° de dossier 003qt.W8485-205946	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Standard Time EST on - le 2021-01-08 Heure Normale du l'Est HNE	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Anthony (QT Div), Joan	Buyer Id - Id de l'acheteur 003qt
Telephone No. - N° de téléphone (819) 230-5385 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Detection, Simulation and Optical Systems Division
Place du Portage III, 8C2
11 rue Laurier Street
Gatineau
Quebec
K1A 0S5

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

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PART 1 - GENERAL INFORMATION

1.1 Introduction

The bid solicitation is divided into seven parts plus attachments and annexes, as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;
- Part 3 Bid Preparation Instructions: provides Bidders with instructions on how to prepare their bid;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, and the basis of selection;
- Part 5 Certifications and Additional Information: includes the certifications and additional information to be provided;
- Part 6 Security, Financial and Other Requirements: includes specific requirements that must be addressed by Bidders; and
- Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The Annexes include the Statement of Work, the Basis of Payment, the Security Requirements Checklist, the Electronic Payment Instruments, the Federal Contractors Program for Employment Equity - Certification, the Insurance Requirements, DND 626 Task Authorization Form and any other annexes.

1.2 Summary

- 1.2.1 The Department of National Defence has a requirement for the provision of In-Service Support (ISS) for the Beyond Line-Of-Sight (BLOS) and the Tactical Control Radar (TCR) Link-11 Systems.

The Contractor must perform the Work in accordance with the Statement of Work at "Annex A" and the Contract Data Requirements List (CDRL).

The BLOS Systems transfers Secure Voice and data communications between the Sector Air Operations Center (SAOC) in North Bay and operational units located throughout North America and offshore in a simple closed network running 24/7.

This Communications Network provides High Frequency (HF, 2-30 MHz), Ultra High Frequency (UHF, 225 MHz to 400 MHz) Radio Communications between the Ground Entry Stations (GES) and military ships and aircraft for the transmission and reception of Secure/Plain Voice and Link-11 Data. The Voice and Data information is communicated between the selected GES and the SAOC using existing telecommunications services provided by the Telephone Company (TELCO). The Link-11 system is utilized to exchange Secure Data Information (TADIL-A) over Data HF / UHF channels among Airborne, Land-Based, and Shipboard Tactical Data Systems while analyzing system performance.

A portion of the work to be performed under the Contract will be on an "as and when requested basis" using a Task Authorization (TA).

The period of the Contract is from date of Contract award to March 31, 2023 inclusive.

The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to four (4) additional one (1) year period(s) under the same conditions.

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

1.2.3 This procurement is subject to the following Comprehensive Land Claims Agreement(s):

- The Inuvialuit Final Agreement
- Gwich'in Comprehensive Land Claim Agreement
- Nunavut Land Claims Agreement.

This bid solicitation is to establish a contract with task authorizations (TA) for the delivery of the requirement detailed in the bid solicitation, to the Identified Users across Canada, including areas subject to Comprehensive Land Claims Agreements.

1.2.4 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).

1.2.5 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.”

1.2.6 This bid solicitation requests 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 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within ten (10) working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.4 epost Connect Service

Bidders must 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.

1.5 Phased Bid Compliance Process

The Phased Bid Compliance Process applies to this requirement.

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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

The [2003](#) (2020-05-28) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of [2003](#), Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days
Insert: 90 days

2.1.1 SACC Manual Clauses

[B4024T](#) (2018-12-30) No Substitute Products.

2.2 Submission of Bids

Due to Covid-19 Bids transmitted by facsimile or mailed to PWGSC will not be accepted at this time.

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

Note: For bids closing at the Bid Receiving Unit in the National Capital Region (NCR) Bidder must contact epost Connect at the email address below to set up an account:

tpsgc.dgareceptiondessoumissions-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 at least six (6) business days in advance of the bid closing date, as detailed in Standard Instructions [2003](#), or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

2.3 Former Public Servant

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

Definitions

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

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

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

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

Former Public Servant in Receipt of a Pension

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

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

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

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with [Contracting Policy Notice: 2019-01](#) 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.

2.4 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than (ten) 10 calendar days before the bid closing date. Enquiries received after that time may not be answered.

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

2.5 Applicable Laws

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

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

2.6 Improvement of Requirement During Solicitation Period

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least 10 days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

2.7 Bid Challenge and Recourse Mechanisms

(a) Several mechanisms are available to potential suppliers to challenge aspects of the procurement process up to and including contract award.

(b) Canada encourages suppliers to first bring their concerns to the attention of the Contracting Authority. Canada's [Buy and Sell](#) website, under the heading "[Bid Challenge and Recourse Mechanisms](#)" contains information on potential complaint bodies such as:

- Office of the Procurement Ombudsman (OPO)
- Canadian International Trade Tribunal (CITT)

(c) Suppliers should note that there are **strict deadlines** for filing complaints, and the time periods vary depending on the complaint body in question. Suppliers should therefore act quickly when they want to challenge any aspect of the procurement process.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

Bidder must submit its bid in accordance with section 08-2 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.

The bid must be gathered per section and separated as follows:

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

Section I: Technical Bid

In their technical bid, Bidders should demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements. Bidders should demonstrate their capability in a thorough, concise and clear manner for carrying out the work.

The technical bid should address clearly 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.

Section II: Financial Bid

3.1.1 Bidders must submit their financial bid in accordance with the "Basis of Payment" Bidders Financial spreadsheet attached at Appendix 1 to Annex "G".

3.1.2 Electronic Payment of Invoices – Bid

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

If Annex "C" Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

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

3.1.3 Exchange Rate Fluctuation

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

Section III: Certifications

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

Section IV: Additional Information

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Buyer ID - Id de l'acheteur
003QT
CCC No./N° CCC - FMS No./N° VME

3.1.4.2 The Company Security Officer must ensure through the Contract Security Program that the Bidder and proposed individuals hold a valid security clearance at the required level, as indicated in Part 6 – Security, Financial and Other Requirements.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

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

4.1.1 Phased Bid Compliance Process

4.1.1.1 (2018-07-19) General

- (a) Canada is conducting the PBCP described below for this requirement.
- (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) (EACH 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.

4.1.1.2 (2018-03-13) Phase I: Financial Bid

- (a) After the closing date and time of this bid solicitation, Canada will examine the Bid to determine whether it includes a Financial Bid and whether any Financial Bid includes 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 meets any standard or is responsive to all solicitation requirements.
- (b) Canada's review in Phase I will be performed by officials of the Department of Public Works and Government Services.
- (c) If Canada determines, in its absolute discretion that there is no Financial Bid or that the Financial Bid is missing all of the information required by the bid solicitation to be included in the Financial Bid, then the Bid 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 is missing information. A Bidder, whose Financial Bid has 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 Bid.
- (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 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 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. 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 as is permitted above, and will be used for the remainder of the bid evaluation process.
- (h) Canada will determine whether the Financial Bid is 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 is not found responsive for the requirements reviewed at Phase I to the satisfaction of Canada, then the Bid shall be considered non-responsive and will receive no further consideration.

- (i) Only Bids found responsive to the requirements reviewed in Phase I to the satisfaction of Canada, will receive a Phase II review.

4.1.1.3 (2018-03-13) Phase II: Technical Bid

- (a) Canada's review at Phase II will be limited to a review of the Technical Bid to identify any instances where the Bidder has failed to meet any Eligible Mandatory Criterion. This review will not assess whether the Technical Bid meets any standard or is responsive to all solicitation requirements. Eligible Mandatory Criteria are 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 Phase III.
- (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.
- (d) 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.
- (e) 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.
- (f) 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.
- (g) 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

- (h) 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.
- (i) Only Bids found responsive to the requirements reviewed in Phase II to the satisfaction of Canada, will receive a Phase III evaluation.

4.1.1.4 (2018-03-13) Phase III: Final Evaluation of the Bid

- (a) In Phase III, Canada will complete the evaluation of all Bids found responsive to the requirements reviewed at Phase II. Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) A Bid is non-responsive and will receive no further consideration if it does not meet all mandatory evaluation criteria of the solicitation.

4.1.2 Technical Evaluation

4.1.2.1 Mandatory Technical criteria:

The Phased Bid Compliance Process will apply to all mandatory technical criteria.

Criterion No.	Paragraph Title/Description	Met (Yes/No)	Proposal Reference page#
M1	The Bidder Must provide resumes of each proposed resource and indicate the Proposed Project Team within their proposal		
M2	The Bidder Must provide details of the proposed approach, processes, tools and techniques within their proposal.		
M3	The Bidder Must provide details of a valid Facility Security Clearance at the level of SECRET , issued by the Contract Security Program (CSP), Public Works and Government Services Canada (PWGSC).		
M4	The Bidder must provide a draft In Service Support Plan which reflects the services required in the Statement of Work and Data Item Description (DID) – ENG-001 . This plan must also identify each proposed resource (as per the SOW) and the estimated monthly level of effort put toward the project for each resource.		
Identify MRT Field Supervisor			
M5			

	The Bidders proposed MRT Field Supervisor qualification must have an electronics engineering diploma specialty and must have a minimum of five (5) years combined experience within the past ten (10) years		
M6	The Bidders proposed MRT Field Supervisor experience must have a minimum of five (5) years combined experience within the past ten (10) years in the maintenance of ** complex electronic systems and microprocessor controlled electronic systems including maintenance and repair of Link-11 systems.		
M7	The Bidders proposed MRT Field Supervisor experience must have a minimum of three (3) years' experience in the past seven (7) years researching, developing, writing and editing technical documents.		
M8	The Bidders proposed MRT Field Supervisor must have a minimum of five (5) years' experience within the past ten (10) years– developing and instructing technical training.		
Identify MRT Technician			
M9	The Bidders proposed MRT Technician must have a valid Electronics Engineering Technician Diploma or combination of equivalent skill and knowledge - two (2) years experience within the past five (5) years		
M10	The Bidders proposed MRT technician must have minimum of two (2) years combined experience, within the past five (5) years in the maintenance of complex electronic systems and microprocessor controlled electronic systems		
M11	The Bidders proposed MRT technician must have a basic-level knowledge of two (2) years experience within the past five (5) years at the system level of HF communications (Data & Voice) principles, Link-11 systems, Tactical Data Link-A (TADIL-A) systems and TADIL-A Link monitoring equipment		
M12	The Bidders proposed MRT technician must have a working knowledge (hands on, must be on resume) of the Windows Operating Systems and networks		
Identify Field Service Representative (FSR)			
M13	The Contractor must provide a FSR to be employed in North Bay to satisfy day-to-day requests for assistance in the operation and maintenance of the CADS BLOS System.		
M14	The Bidders proposed Field Service Representative must have at minimum, five (5) years' experience within the past five (7) years as a technician.		
M15			

	The Bidders proposed Field Service Representative must have a minimum of two (2) years' experience within the past five (5) years experience developing and instructing technical training.		
Identify Project Manager			
M16	The Bidders proposed Project Manager must have two (2) years' experience in the last four (4) years managing contracts as per the Statement of Work (SOW) for this requirement.		

For M6 & M10 ** complex is defined as an electronic design that is composed of multiple subsystems that will act together as a whole. An example of a complex electronic system would be a digital radio or computerized frequency switch or a Network time server (NTS).

4.1.2.2 Point Rated Technical Criteria

Position	Criterion No.	Point Rated Requirements	Max Points Available	Points Received	Proposal Reference page #
1. Bidder's experience (Maximum 10 points)					
1.1 The Bidder (Company)	R1.1a	has experience in at least one (1) radio HF communication based project(s) in the last five (5) years – 4 points ; or has experience in one or more HF communication based projects, where at least one project included Tactical Data Link-A (TADIL-A) and TADIL-B systems and link monitoring systems in the last five (5) years – seven (7) points ; or The Bidder has experience in one or more HF communication based projects where at least one project included Tactical Data Link-A (TADIL-A) and TADIL-B systems and link monitoring systems AND also included connecting to multiple remote sites in the last five (5) years – ten (10) points .	10		
2. Experience and qualification of key personnel (Maximum 60 points)					
2.1 Project Manager	R2.1a	has four (4) years' experience with in the past 10 years (must provide a client reference) in managing a Repair and Overhaul (R&O) or In- Service Support program of at least \$5M – 4 points ; and	10		
	R2.1b	has a valid certification as a Project Management Professional – 3 points ; and			

Position	Criterion No.	Point Rated Requirements	Max Points Available	Points Received	Proposal Reference page #
	R2.1c	Has a minimum of two (2) year's experience with in the past ten (10) years in Project Management Business Administration– 3 points.			
2.2 MRT Field Supervisor Qualifications	R2.2a	has six (6) years' experience with in the past ten (10) years in electronics relating to HF Communications – 8 points; and	20		
	R2.2b	has four (4) years' experience in the last ten (10) years in Technical Writing or Training – 4 points; and			
	R2.2c	has five (5) years' experience in last 7 years with Tactical Data Link systems – 8 points.			
2.3 MRT Technician	R2.3a	has six (6) years' experience in maintenance of electronics in last ten (10) years – 4 points; and	15		
	R2.3b	has two (2) years in last five (5) years' experience in Technical Writing or Training – 3 points; and			
	R2.3c	Has 5 years in last ten (10) years' experience in Tactical Data Link systems – 8 points.			
2.4 Field Service Rep Qualifications	R2.4a	has 6 years' experience in last 10 years in electronics relating to HF communications – 8 points; and	15		
	R2.4b	Has current ICT qualification – 3 points; and			
	R2.5c	has 4 years' experience in last 7 years in Technical Writing, Maintenance Administration, or Training – 4 points.			
3. In-Service Support Plan (ISSP) and Configuration Management Plan (CMP) Plans (Maximum 20 points)					

Position	Criterion No.	Point Rated Requirements	Max Points Available	Points Received	Proposal Reference page #
3.1 In-Service Support Plan	R3.1a	<p>The proposed In-Service Support Plan addresses all aspects of ISS applicable to the Work outlined in the SOW – 8 points; and</p> <p>The proposed In-Service Support Plan exceeds expectations in addressing all aspects of ISS applicable to the Work outlined in the SOW -10 points.</p> <p>The proposed In-Service Support Plan is lacking in coverage of ISS work applicable to the SOW – 0 points.</p>	10		
3.2 Configuration Management Plan	R3.2a	<p>The proposed Configuration Management Plan addresses all aspects of Configuration Management applicable to the Work outlined in the SOW – 8 points; and</p> <p>The proposed Configuration Management Plan exceeds expectations in addressing all aspects of Configuration Management applicable to the Work outlined in the SOW – 10 points.</p> <p>The proposed Configuration Management Plan is lacking in coverage of Configuration Management work applicable to the SOW – 0 points.</p>	10		
Total Available			90 Points		

***The Crown reserves the right to verify information provided**

4.1.2 Financial Evaluation

SACC Manual Clause [A0222T](#) (2014-06-26), Evaluation of Price-Canadian/Foreign Bidders.

4.2 Basis of Selection - Highest Combined Rating of Technical Merit and Price

1. 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 of **63 points** overall for the technical evaluation criteria which are subject to point rating. The rating is performed on a scale of 90 available points.

2. Bids not meeting (a) or (b) or (c) will be declared non-responsive.
3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 70% for the technical merit and 30% for the price.
4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 70.
5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 30.
6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.
7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

An example is given below for illustration purposes. Based on the calculations provided, a contract would be awarded to Bidder 1 which offers the highest total overall score taking into consideration both the technical merit and the price of the bidder's proposal.

TABLE – Example of Selection Method (Best Value Determination)			
Highest Combined Rating Technical Merit (70%) and Price (30%)			
Compliant Bidders (Minimum technical points required: 112)			
	Bidder 1	Bidder 2	Bidder 3
Total Technical Points	150	165	180
Total Per Diem Quote For All Identified Contract Periods	\$3600	\$4400	\$4800
Maximum Technical Score: 180		Minimum Per Diem Quote: \$3600	
Calculation	Technical Points	Price Points	Total Points
Bidder 1	$(150/180) \times 70 = 58.3$	$(\$3600 / \$3600) \times 30 = 40.0$	98.3
Bidder 2	$(165/180) \times 70 = 64.17$	$(\$3600 / \$4400) \times 30 = 24.55$	88.72
Bidder 3	$(180/180) \times 70 = 70.0$	$(\$3600 / \$4800) \times 30 = 22.5$	92.5

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](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

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

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

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

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

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.

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The Bidder must provide the Contracting Authority with a completed annex titled Federal Contractors Program for Employment Equity - Certification, before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

5.2.3 Additional Certifications Precedent to Contract Award

5.2.3.1 Education and Experience

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

PART 6 - SECURITY, FINANCIAL AND OTHER REQUIREMENTS

6.1 Security Requirements

1. At the date of bid closing, the following conditions must be met:
 - (a) the Bidder must hold a valid organization security clearance as indicated in Part 7 - Resulting Contract Clauses;
 - (b) the Bidder's proposed individuals requiring access to classified or protected information, assets or sensitive work sites must meet the security requirements as indicated in Part 7 - Resulting Contract Clauses;
 - (c) the Bidder must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites;
2. For additional information on security requirements, Bidders should refer to the Contract Security Program of Public Works and Government Services Canada (<http://www.tpsgc-pwgsc.gc.ca/esc-src/introduction-eng.html>) website.

6.2 Controlled Goods Requirement

SACC *Manual* clause [A9130T](#) (2019-11-28) Controlled Goods Program - Bid

PART 7 - RESULTING CONTRACT CLAUSES

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

7.1 Statement of Work

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

7.2 Task Authorization

The Work or a portion of the Work to be performed under the Contract will be on an "as and when requested basis" using a Task Authorization (TA). The Work described in the TA must be in accordance with the scope of the Contract.

7.2.1 Task Authorization Process

1. The Technical Authority will provide the Contractor with a description of the task using the DND 626, Task Authorization Form specified in Annex E.
2. The Task Authorization (TA) will contain the details of the activities to be performed, a description of the deliverables, and a schedule indicating completion dates for the major activities or submission dates for the deliverables. The TA will also include the applicable basis (bases) and methods of payment as specified in the Contract.
3. The Contractor must provide the Technical Authority within 30 calendar days of its receipt, the proposed total estimated cost for performing the task and a breakdown of that cost, established in accordance with the Basis of Payment specified in the Contract.
4. The Contractor must not commence work until a TA authorized by the Technical Authority has been received by the Contractor. The Contractor acknowledges that any work performed before a TA has been received will be done at the Contractor's own risk.

7.2.2 Task Authorization Limit

The Technical Authority may authorize individual task authorizations up to a limit of **\$25,000.00**, Applicable Taxes included, inclusive of any revisions.

Any task authorization to be issued in excess of that limit must be authorized by the Contracting Authority before issuance.

7.2.3 Canada's Obligation - Portion of the Work - Task Authorizations

Canada's obligation with respect to the portion of the Work under the Contract that is performed through task authorizations is limited to the total amount of the authorized tasks performed by the Contractor.

7.2.4 Periodic Usage Reports - Contracts with Task Authorizations

The Contractor must compile and maintain records on its provision of services to the federal government under authorized Task Authorizations issued under the Contract.

The Contractor must provide this data in accordance with the reporting requirements detailed below or in Annex "A". If some data is not available, the reason must be indicated. If services are not provided during a given period, the Contractor must still provide a "nil" report.

The data must be submitted on a quarterly basis to the Contracting Authority.

The quarterly periods are defined as follows:

1st quarter: April 1 to June 30;

2nd quarter: July 1 to September 30;

3rd quarter: October 1 to December 31; and

4th quarter: January 1 to March 31.

The data must be submitted to the Contracting Authority no later than 15 calendar days after the end of the reporting period.

Reporting Requirement- Details

A detailed and current record of all authorized tasks must be kept for each contract with a task authorization process. This record must contain:

For each authorized task:

- i. the authorized task number or task revision number(s);
- ii. a title or a brief description of each authorized task;
- iii. the total estimated cost specified in the authorized Task Authorization (TA) of each task, exclusive of Applicable Taxes;
- iv. the total amount, exclusive of Applicable Taxes, expended to date against each authorized task;
- v. the start and completion date for each authorized task; and
- vi. the active status of each authorized task, as applicable.

For all authorized tasks:

- i. the amount (exclusive of Applicable Taxes) specified in the contract (as last amended, as applicable) as Canada's total liability to the contractor for all authorized TAs; and
- ii. the total amount, exclusive of Applicable Taxes, expended to date against all authorized TAs

7.2.5 Task Authorization - Department of National Defence

The administration of the Task Authorization process will be carried out by DAP 7-2-3. This process includes monitoring, controlling and reporting on expenditures of the contract with task authorizations to the Contracting Authority.

7.3 Standard Clauses and Conditions

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

7.3.1 General Conditions

[2035 \(2020-05-28\)](#), General Conditions - Higher Complexity - Services, apply to and form part of the Contract.

7.3.2 Supplemental General Conditions

4002 (2010-08-16) Software Development or Modification Services, apply to and form part of the Contract.

4004 (2013-04-25) Maintenance and Support Services for Licensed Software, apply to and form part of the Contract.

4007 (2010-08-16) Canada to Own Intellectual Property Rights in Foreground Information, apply to and form part of the Contract.

4012 (2012-07-16) Goods - Higher Complexity, apply to and form part of the Contract.

D5545C (2019-05-30) ISO 9001:2015 - Quality Management Systems - Requirements (Quality Assurance Code C)

7.4 Security Requirements

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

SECURITY REQUIREMENT FOR CANADIAN SUPPLIER: PWGSC FILE No. W8485-205946

1. The Contractor/Offeror 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 Contract Security Program (CSP), Public Works and Government Services Canada (PWGSC).
2. This contract includes access to **Controlled Goods**. Prior to access, the contractor must be registered in the Controlled Goods Program of Public Works and Government Services Canada (PWGSC).
3. The Contractor/Offeror personnel requiring access to **CLASSIFIED** information, assets or sensitive site(s) must EACH hold a valid personnel security screening at the level of **SECRET** granted or approved by the CSP, PWGSC.
4. The Contractor/Offeror MUST NOT remove any CLASSIFIED information or assets from the identified site(s), and the Contractor/Offeror must ensure that its personnel are made aware of and comply with this restriction.
5. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of the CSP, PWGSC.
6. 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).

7.5 Term of Contract

7.5.1 Period of the Contract

The period of the Contract is from date of Contract award to **'be inserted at contract award'** inclusive.

7.5.2 Option to Extend the Contract

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The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to four (4) additional one (1) year period(s) under the same conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions as set out in the Basis of Payment.

Canada may exercise this option at any time by sending a written notice to the Contractor at least thirty (30) calendar days before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

7.5.3 Comprehensive Land Claims Agreements (CLCAs)

The Contract is subject to the following Comprehensive Land Claims Agreement(s):

- The Inuvialuit Final Agreement
- Gwich'in Comprehensive Land Claim Agreement
- Nunavut Land Claims Agreement.

The Contract with Task Authorizations is to establish the delivery of the requirement detailed under the Contract, to the Identified Users across Canada, including areas subject to Comprehensive Land Claims Agreements.

7.6 Authorities

7.6.1 Contracting Authority

The Contracting Authority for the Contract is:

Joan Anthony

Public Works and Government Services Canada
Acquisitions Branch
Defence and Marine Procurement Branch
Place du Portage III
11 Laurier St
Gatineau, QC K1A 0K2
E-mail address: joan.anthony@tpsgc-pwgsc.gc.ca

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

7.6.2 Procurement Authority *(to be completed at contract award)*

The Procurement Authority for the Contract is:

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

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The Procurement Authority is the representative of the department or agency for whom the Work is being carried out under the Contract. The Procurement Authority is responsible for the implementation of tools and processes required for the administration of the Contract. The Contractor may discuss administrative matters identified in the Contract with the Procurement Authority however the Procurement Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of Work can only be made through a contract amendment issued by the Contracting Authority. The Procurement Authority has authority to issue and amend Task Authorization form while respecting the limits as per **7.2.2 Task Authorization Limit**.

7.6.3 Technical Authority *(to be completed at contract award)*

The Technical Authority for the Contract is:

Name:

Title:

Organization:

Telephone:

E-mail:

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

7.6.4 Contractor's Representative

To be completed at contract award

7.7 Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a [Public Service Superannuation Act](#) (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with [Contracting Policy Notice: 2019-01](#) of the Treasury Board Secretariat of Canada.

7.8 Payment

7.8.1 Basis of Payment

All prices will be in Canadian dollars, applicable taxes excluded, FOB destination, Canadian customs duties included, if applicable.

Labour rates and mark-ups include profit and all normal expenses incurred in providing the Work including, but not limited to, word processing, reports, photocopying, courier services, local travel expenses, and telephone calls.

The Contractor will be paid as laid out in the Basis of Payment, Annex "B", and the applicable Contract Line Item Number (CLIN):

CLIN 1 In-service Support Plan (ISSP)

The Contractor will be paid a firm monthly price for ISS Work performed in accordance with the Statement of Work and as detailed in CDRL and the approved ISSP.

CLIN 2 Preventive Maintenance (PM)

The Contractor will be paid a firm lot price for Preventive Maintenance visits (including travel time) performed in accordance with the Statement of Work and CDRL

CLIN 3 Corrective Maintenance (CM)

The Contractor will be paid firm or ceiling prices, negotiated by Canada prior to the Work being authorized, or costs reasonably incurred subject to a limitation of expenditures in accordance with the Statement of Work. The rates detailed in Annex "B", which include G&A, overhead, profit and the costs associated with the procurement of the goods, shall be used to calculate the price of the CM work. The only acceptable categories of labour are those specified in the Basis of Payment at Annex "B".

The following working hours and overtime periods will apply:

- a) A normal work day is for a contiguous 7.5-hour period, Monday to Friday inclusive, and totalling 37.5 hours per week;
- b) Overtime at time and one half, performed on Monday to Friday, will commence following the 7.5 hours of normal workday;
- c) Overtime on Saturday at time and one half, up to 7.5 hours; and
- d) Saturday after 7.5 hours, Sunday or statutory holiday at double time.

No overtime work shall be performed under the contract unless discussed and approved in advance by the Technical Authority and or the Procurement Authority. Any request for payment at the rate(s) specified in the Basis of Payment must be accompanied by a copy of the overtime authorization and a report containing such details as Canada may require with respect to the overtime work performed pursuant to the written authorization.

CLIN 4 Field Service and Help Desk Support

Field Service Representative (FSR)

The Contractor will be paid a firm hourly price to provide the services of a FSR in North Bay, Ontario; as indicated in the Statement of Work and CDRL

The following working hours and overtime periods will apply:

- a) A normal work day is for a contiguous 7.5-hour period, Monday to Friday inclusive, and totalling 37.5 hours per week;
- b) Overtime at time and one half, performed on Monday to Friday, will commence following the 7.5 hours of normal workday;
- c) Overtime on Saturday at time and one half, up to 7.5 hours; and
- d) Saturday after 7.5 hours, Sunday or statutory holiday at double time.

No overtime work shall be performed under the contract unless discussed and approved in advance by the Technical Authority and or the Procurement Authority. Any request for payment at the rate(s) specified in the Basis of Payment must be accompanied by a copy of the overtime authorization and a report containing such details as Canada may require with respect to the overtime work performed pursuant to the written authorization.

Help Desk and Remote Diagnostics Support

The Contractor will be paid a firm hourly price for On-call Help Desk Services in accordance with the Statement of Work. Although 24-hour coverage is required, the Contractor will be paid for actual labour hours performed only.

CLIN 5 – Additional Work Requests (AWRs)

Additional Work Requests are tasked on form DND 626, as authorized by the PA or CA; and include, but may not be limited to, the following:

- a) potential improvements to the reliability, availability and maintainability of the BLOS GESs and/or architecture, the RC&MS, and the TCR Link-11 Systems including software and hardware modifications/upgrades, training, technical Interchange meetings and;
- b) identification of opportunities to reduce maintenance costs; and
- c) BLOS collection of data to assist in the preparation of current operating cost reports and annual budget forecasts, including the collection of statistical information concerning the cost of maintenance of the GES, which includes the cost of repaired and replaced items, cost of contracted services and miscellaneous goods and the relocation of GES.

Additional Work Requests must remain within the scope and budget of the Contract.

AWRs that include anomalies, such as the use of Overtime (O/T) rates where these would not normally be used, must be approved by the CA, irrespective of the dollar value for the Tasking Authorization form DND 626.

7.8.2 Basis of payment: Individual task authorizations

The Contractor will be paid for the Work specified in the authorized task authorization, in accordance with the Basis of payment at Annex B.

Canada's liability to the Contractor under the authorized task authorization must not exceed the limitation of expenditure specified in the authorized task authorization. Custom duties are excluded and Applicable Taxes are extra.

No increase in the liability of Canada or in the price of the Work specified in the authorized task authorization resulting from any design changes, modifications or interpretations of the Work will be authorized or paid to the Contractor unless these design changes, modifications or interpretations have been authorized, in writing, by the Contracting Authority before their incorporation into the Work.

7.8.3 Limitation of Expenditure

1. Canada's total liability to the Contractor under the Contract must not exceed \$ _____ (TBD at award). Customs duties are excluded and Applicable Taxes are extra.
2. No increase in the total liability of Canada or in the price of the Work resulting from any design changes, modifications or interpretations of the Work, will be authorized or paid to the Contractor unless these design changes, modifications or interpretations have been approved, in writing, by the Contracting Authority before their incorporation into the Work. The Contractor must not perform any work or provide any service that would result in Canada's total liability being exceeded before obtaining the written approval of the Contracting Authority. The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:

-
- a. when it is 75% committed, or
 - b. four months before the contract expiry date, or
 - c. as soon as the Contractor considers that the contract funds provided are inadequate for the completion of the Work,

whichever comes first.

3. If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority a written estimate for the additional funds required. Provision of such information by the Contractor does not increase Canada's liability

7.8.4 Basis of Payment - Task Authorization

The Contractor will be paid for the Work specified in the authorized task authorization, in accordance with the Basis of payment at Annex B.

Canada's liability to the Contractor under the authorized task authorization must not exceed the ceiling price specified in the authorized task authorization. Custom duties are excluded and Applicable Taxes are extra. No increase in the liability of Canada or in the price of the Work specified in the authorized task authorization resulting from any design changes, modifications or interpretations of the Work will be authorized or paid to the Contractor unless these design changes, modifications or interpretations have been authorized, in writing, by the Contracting Authority before their incorporation into the Work.

7.8.5 Travel and Living Expenses - No allowance for profit and overhead

The Contractor will be reimbursed for the authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, in accordance with Contract Cost Principles 1031-2, with no allowance for profit and/or administrative overhead. All payments are subject to government audit.

7.8.6 SACC Manual Clauses

- 7.8.6.1 [H1008C \(2008-05-12\)](#) Monthly Payments
- 7.8.6.2 [A9117C \(2007-11-30\)](#) T1204 - Direct Request by Customer Department
- 7.8.6.3 [C2000C \(2007-11-30\)](#) Taxes - Foreign-based Contractor

7.8.7 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s): **(to be completed at contract award)**

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

7.8.8 [C0705C \(2010-01-11\)](#) Discretionary Audit

7.8.9 **C0710C (2007-11-30) Time and Contract Price Verification**

7.9 Invoicing Instructions

The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions along with the monthly progress report described in Statement of Work of the Contract. Invoices cannot be submitted until all work identified in the invoice has been completed and that all maintenance service call reports related to the Work identified in the invoice have been received by the Project Authority.

7.9.1 Invoicing

1. Each invoice must be supported by:

(a) a detailed breakdown showing the category of labour, number of hours charged and rate for the individual(s) who performed the work;

(b) receipts, vouchers for all direct expenses, and all travel and living expenses; and

2. Invoices must be distributed electronically as follows:

(a) One (1) copy must be emailed to the Contracting and Procurement Authority identified under the section entitled "Authorities" of the Contract.

7.10 Certifications and Additional Information

7.10.1 Compliance

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

7.10.2 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "[FCP Limited Eligibility to Bid](#)" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

7.11 Applicable Laws

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

7.12 Priority of Documents

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

(a) **the Articles of Agreement;**

(b) **the supplemental general conditions**

[4002 \(2010-08-16\)](#) Software Development or Modification Services, apply to and form part of the Contract,

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- (c) **the general conditions [2035 \(2020-05-28\)](#)**, General Conditions - Higher Complexity - Services, apply to and form part of the Contract
[4004 \(2013-04-25\)](#) Maintenance and Support Services for Licensed Software, apply to and form part of the Contract,
[4007 \(2010-08-16\)](#) Canada to Own Intellectual Property Rights in Foreground Information, apply to and form part of the Contract and,
[4012 \(2012-07-16\)](#) Goods - Higher Complexity, apply to and form part of the Contract;
- (d) Annex A, Statement of Work
(e) Annex B, Basis of Payment;
(f) Annex C, Security Requirements Check List
(g) the signed Task Authorizations (including all of its annexes, if any) and;
(h) the Contractor's bid dated _____, **To be completed at contract award**

7.13 Defence Contract

SACC Manual clause [A9006C \(2012-07-16\)](#) Defence Contract
[A9062C \(2011-05-16\)](#) Canadian Forces Site Regulations

7.14 Foreign Nationals (Canadian Contractor)

SACC Manual clause [A2000C \(2006-06-16\)](#) Foreign Nationals (Canadian Contractor)

7.15 Insurance

SACC Manual clause [G1005C \(2016-01-28\)](#) Insurance - No Specific Requirement

7.16 Controlled Goods Program

SACC Manual clause: [A9131C \(2014-11-27\)](#) Controlled Goods Program - Contract
[B4060C \(2011-05-16\)](#) Controlled Goods

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Solicitation No. - N° de l'invitation
W8485-205946/A
Client Ref. No. - N° de réf. du client
W8485-205946

Amd. No. - N° de la modif.
File No. - N° du dossier
003QT-W8485-205946

Buyer ID - Id de l'acheteur
003QT
CCC No./N° CCC - FMS No./N° VME

ANNEX "A"

STATEMENT OF WORK

Appendices:

- Appendix 1 BLOS and TCR Link-11 Equipment Manuals
- Appendix 2 BLOS and TCR Link-11 Site Locations and TCR Link 11 Systems
- Appendix 3 No Longer Applicable
- Appendix 4 BLOS and TCR Link-11 Equipment List (Provided at award)
- Appendix 5 BLOS and TCR Link-11 Antenna Systems Visual Inspection
- Appendix 6 BLOS Software Modification Requirement
- Appendix 7 FSR Non-Exclusive List of Duties
- Appendix 8 Contractor Held Inventory
- Appendix 9 List of Critical Spares
- Appendix 10 LOG SOW

1 Scope

1.1 Purpose

This Statement of Work (SOW) defines the work that the In-Service Support Contract (ISSC) Contractor will perform to maintain and support the Beyond Line-of-Sight (BLOS) Ground Entry Stations (GES), the Control Group collectively known as the Beyond Line of Sight Central Communications System (BLOS CCS) or simply BLOS and the Tactical Control Radar (TCR) Link-11 Systems.

1.2 Background

The Department of National Defence (DND) has a requirement for the provision of In-Service Support (ISS) for the BLOS and the TCR Link-11 Systems.

The BLOS GES consists of eight (8) High Frequency (HF – 2-30 MHZ), Ultra High Frequency (UHF – 225-400 MHZ) sites installed at:

Shearwater NS;
Debert NS;
Trenton ON;
Edmonton AB;
Inuvik NT;
Resolute Bay NU;
Iqaluit NU; and
Tofino BC.

The Control Group consists of the Remote Control & Monitoring System (RC&MS) and associated equipment which is located at the Canadian Air Defense Sector (CADS), 22 Wing North Bay ON.

The TCR Link-11 Systems are located at:

12 Radar Squadron (Rdr Sqn), 3 Wing Bagotville, Lac Castor, QC; and
42 Rdr Sqn, 4 Wing Cold Lake, Primrose Lake Evaluation Range (PLER) Radar Site, AB.

The eight (8) BLOS GES sites are “split-sites” meaning that each location has a separate shelter for transmit (TX) and receive (RX) often a few kilometers from each other. Site locations are listed in Appendix 2.

The two TCR Link-11 Systems have the TX and RX functions co-located.

The BLOS GES System contains Controlled Goods. The Contractor, employees, and sub-contractors must be Controlled Goods registered with the Canadian Government.

2 Requirement

2.1 General

The documents found in the Appendices support this SOW and must be considered as supplemental information if not specifically identified in the text. In the event of conflicts between documents referenced below and the content of the SOW, the contents of the SOW must take precedence. If required by the Contractor, the Technical Authority (TA) will provide these documents.

2.2 In-Service Support Plan (ISSP)

This SOW will be used by the Contractor as initial guidance in the preparation of an In-Service Support Plan (ISSP) as per Contract Data Requirements List (CDRL 001). Within 30 days of contract award, the Contractor's draft ISSP must be finalized and include ISSC Contractor procedures for the implementation of each CLIN listed below for the BLOS and TCR systems. Once approved, the Contractor must follow the ISSP during the conduct of the contract for the In-Service Support of the BLOS and TCR Link-11 Systems.

Regarding BLOS and TCR System software, the ISSP must contain descriptions of procedures for the tracking and updating of software via patches and/or firmware releases necessary to keep the BLOS system compatible and functionally interfaced with Link-11 architecture. The ISSP must provide notification of potential (software/hardware etc.) issues that may directly affect the operation of the BLOS system.

An independent section in the ISSP must cover the TCR Link-11 Systems maintenance and training.

2.3 Configuration Management Plan (CMP)

The Contractor must provide documentation of any technical updates to the hardware and/or software to include manuals and drawings on all modifications, upgrades, additions of hardware or replacement of equipment.

3 Tasks

3.1 General

Contractor must provide services for the BLOS and the TCR Link-11 Systems.

Preliminary details of the types of work the Contractor may be required to perform are identified through the use of Contract Line Item Numbers (CLIN) as follows:

- CLIN 1 In-Service Support (ISS)
- CLIN 2 Preventive Maintenance (PM)
- CLIN 3 Corrective Maintenance (CM)
- CLIN 4 Field Service and Help Desk Support
- CLIN 5 Additional Work Requests (AWR)

3.2 Pre-Authorized Work

In support of this SOW, the contractor is hereby pre-authorized to carry out Contract Line Item Number (CLIN) 1, 2&4

4 CLIN 1 In-Service Support Plan (ISSP)

4.1 The ISSP must be included in the ISSC Contractor procedures for the implementation of each CLIN contained in this SOW for the BLOS and TCR systems. Once approved, the Contractor must follow the ISSP during the conduct of the contract for the In-Service Support of the BLOS and TCR Link-11 Systems. The ISSP will be reviewed by the Technical Authority (TA) on an annual basis.

In the ISSP the Contractor must conduct a thorough analysis of the BLOS architecture and system by providing an itemized list, including the identification in writing of hardware, software, and firmware components at or nearing end of lifecycle.

5 Maintenance Concept

5.1 Due to the locations of the Ground Entry Stations (GES) and the Link-11 sites, on-equipment inspections and maintenance work will be conducted by the Contractor-controlled Maintenance Repair team (MRT). For ease of reference, a MRT dispatched by the Contractor from the contractor's facility location is a MRT; while a sub-contracted MRT from the sites' locale is a Local Maintenance Repair Team (LMRT).

The use of sub-contracted LMRT is permitted under this contract provided the following conditions are met:

- a) sub-contracted LMRT is Controlled Goods Certified; and
- b) sub-contracted LMRT must be approved by the BLOS GES TA.

5.1.2 Conduct of Contractor Personnel

The Contractor is responsible for the proper conduct of all Contractor personnel, including sub-contracted workers and must certify that all workers have:

- a) proper safety training; and
- b) appropriate qualifications, certifications or licenses before the conduct of the work.

Time and implementation of corrective measures will depend on their impact on operations or budget. Completion of a review satisfactory to the Contracting Authority (CA), TA or a designated representative will not relieve the Contractor of any of the requirements laid down herein except as may be specifically authorized by the CA in writing.

5.2 Work Site Condition

At the conclusion of a BLOS PM or CM visit, the Contractor will leave the site in a clean and safe state. The Contractor must remove all unsalvageable, surplus materials from the site and dispose of it at an approved disposal site and in accordance with government environmental guidelines. Salvageable material will be disposed of as directed by the TA. A general inspection must be made of the site and photographs taken to confirm the condition of the site, to include entry and exit photos. This information will be included in the report required IAW CDRL 002.

5.2.2 Digital Photography

5.2.2.1 With each site visit, whether for PM or CM, the MRT/LMRT will provide digital evidence of sites for the Technical Authority (TA); including as a minimum:

- a) Site/equipment "entry" picture;
- b) Site/equipment damage details (if required);
- c) Site/equipment remedy (if required); and
- d) Site/equipment "exit" picture.

In the event that pre-approved CM is conducted in conjunction with a PM visit, photographs as indicated in 5.2.2.1 b must be provided with the maintenance report.

5.3 Formation of Maintenance Repair Team (MRT)

The Contractor must establish and maintain a MRT to conduct the required maintenance of the BLOS GES and TCR Link-11 Systems. The MRT must consist of a designated MRT Field Supervisor and a MRT member. MRT prerequisites are outlined below in sections 5.4 and 5.5. The MRT must effect maintenance using remote diagnostics if available, or by communicating with the CF operations and maintenance staff.

TCR Link-11 Systems. The MRT must consist of a Field Supervisor. Additional MRT member(s), if required, are to be coordinated with the TA

When travel to a BLOS GES is required, the MRT must take a reasonable composition of spares in order to minimize costs and delays in returning sites to serviceability.

5.4 MRT Field Supervisor Prerequisite Qualifications

The Field Supervisor must possess the following minimum qualifications:

- a) expert knowledge which includes a mastery of theory and application, knowledge at the system level of HF communications (Data & Voice) principles, Link-11 systems, Tactical Data Link-A (TADIL-A) and TADIL-B systems and TADIL link monitoring equipment;
- b) working level knowledge of Windows Operating Systems and local area networks;
- c) working level knowledge of safety practices, quality assurance principles and materiel handling;
- d) be familiar with DND training standards and practices.

5.6 MRT Response Time

The MRT must make every reasonable effort to arrive at the work site within the time allowances given below:

- a) North Bay RC&MS, Edmonton, Debert, Shearwater and Trenton GESs - within 24 hours of receipt of formal notice;
- b) Iqaluit, Inuvik, Tofino GESs - within 48 hours of receipt of formal notice;
- c) Resolute Bay GES - the MRT must depart within a minimum of 96 hours' notice from the TA, and must provide reasons for any delay beyond the 96 hour response;
- d) TCR sites 12 Rdr Sqn Bagotville, QC and 42 Rdr Sqn Cold Lake, AB – response time to be negotiated; and
- e) In unusual circumstances, the Contractor may be requested to provide an MRT to a deployed TCR Link-11 system's location. Response time, in these cases must be negotiated.

In the event that a response time is unable to be met, the Contractor must notify the Technical Authority in writing [e-mail is acceptable] with a reason for the delay and a recommendation to prevent reoccurrence.

5.7 Software Upgrade BLOS

The Contractor must upgrade the BLOS software IAW Appendix 6 to obtain Operational Standards as defined by the Canadian Air Defence Sector (CADS) and approved by the TA, in line with industry practices. Such standards and practices will be maintained throughout the life of the contract.

In the event that newer upgrades are available, the Contractor will submit proposals to the Technical Authority (TA) for review and acceptance at the sole discretion of the TA.

6 CLIN 2 – Preventive Maintenance (PM) – General

This includes Preventative Maintenance (PM) and management of Contractor Held Inventory (CHI) and GES downtime.

First (1st) line maintenance means defective equipment is swapped out with a known serviceable equipment so the system can be returned serviceable ASAP. This also include minor software/firmware configuration of modems, radio telephone interface units, etc. This work can be carried out by a LMRT.

Second (2nd) line maintenance means the defective equipment/part is repaired either on site or at the contractor's facility. This also includes a more in-depth software/firmware configuration. This work must be carried out by the MRT, FSR or at the contractor's facility.

Third (3rd) line maintenance means the defective equipment/part/firmware/software must be repaired/re-programmed at the OEM facility or at a facility designated by the OEM as an official repair facility for OEM.

The Contractor must perform:

- a) first (1st) and second (2nd) line maintenance (as required) on the eight (8) BLOS GES;
- b) second (2nd) line maintenance of the RC&MS; and
- c) first (1st) and second (2nd) line maintenance (as required) on the TCR Link-11 Systems.

All BLOS GES/TCR downtime will be coordinated with the TA.

6.2 BLOS PM

The Contractor must conduct a minimum of one, to a maximum of two, PM inspection visits per year to each BLOS GES which must include visual inspection of antennas IAW Appendix 6. The first visit must occur approximately one month after contract award.

The PM inspection is also to insure Configuration Management between the GES locations. The conduct of PM must follow the schedule and procedures as authorized by the TA and as described in the CM/PM manuals referenced at Appendix 1 to this SOW and the ISSP.

The Contractor must provide documentation of any technological updates to the hardware and/or software to include manuals and drawings on all modification, upgrades, additions of hardware, or replacement of equipment. Documentation is to be in the format of both soft (CD/DVD) and hard (paper) within 60 calendar days after completion of work.

7 CLIN 3 – Corrective Maintenance (CM) – General

The replacement of any parts listed at Appendix 4, used for corrective maintenance, may be purchased when recommended by the TA and approved by the PA or CA in order to maintain the system A detailed Task Authorization form (DND 626) issued by DND will be used to purchase the item (s).

The Contractor is authorized to conduct up to 250 hours of CM activities per year on an "as required" basis. This allowance is for CM that is found to be necessary during a PM visit or in rare urgent situations when TA approval is not available. In the case of the latter, when the TA is available and provides approval for the CM activity, should a Task Authorization (DND 626) be required for the extent of the work, the hours expended on the authority of the Contractor will be reinstated to the 250 hour envelope for pre-approved CM.

In the event the 250 hours allotted may be exceeded, the CM activities will revert to an "as approved" basis, and will require a tasking from the TA in the form of an approved Tasking Authorization form (DND 626), approved by the Procurement Authority (PA) or Contracting Authority (CA) before any execution of effort.

Use of remote diagnostics must be used to the maximum extent possible to isolate problems and to determine necessary corrective actions to maximize effectiveness on site.

The Contractor must conduct any required CM (adjust, align, repair, restore, replace, configure, install reload, modify) of the Link-11 systems which:

- a) arises during the conduct of PM for BLOS GES sites; or
- b) is necessary to correct/restore stability of both BLOS GES and TCR sites.
- c) The Contractor must use (at minimum):
 - i. BLOS – The CM/PM Manuals referenced at Appendix 1 will be used as a guide in the correction of the problem; and
 - ii. TCR Link-11 systems – Manuals referenced at Appendix 1 will be used as a guide in the correction of the problem.
- d) In all cases of where the MRT must travel to a BLOS GES site in order to conduct CM on the site, the Contractor must conduct the next required PM inspection to the GES/Link-11 site.

8. CLIN 4 – Field Service Support & Help Desk

The Contractor must provide a FSR to be employed in North Bay to satisfy day-to-day requests for assistance in the operation and maintenance of the CADS BLOS System. The FSR will focus upon problem identification and resolution, assist in the sustaining of the CADS BLOS system, assist in creating and tracking reports, manage the repair and replacement of non-serviceable equipment and track the holding of spares. The FSR will also maintain an open communication link with the Contractor, LCMM/TA and CADS.

The FSR will be provided initial Interface Control Technician (ICT) training by DND and must obtain an ICT qualification status. Thereafter, the FSR must maintain ICT qualification throughout the duration of the contracted service. If the FSR fails to obtain and/or maintain ICT qualification, the Contractor will be responsible to provide a qualified FSR replacement at no additional cost to Canada.

8.1 Field Service Representative Terms of Reference

General Requirements/Qualifications

- a) The FSR must be able to function at a journeyman's level without supervision.
- b) The FSR must have at least the same level of BLOS training as the military operators and maintainers assigned to operate and/or maintain the system at CADS.
- c) The FSR must be English Essential oral/written/comprehension. French would be an asset.

8.1.1 Responsibilities/Provision of Services

-
- a) The services of the FSR must be delivered in accordance with the provisions of the In Service Support of the BLOS contract.
 - b) While at the CADS, the FSR must be responsive to the PMO, the Operational System Maintenance Officer (OSMO), and the unit Commanding Officer (CO), or their delegates.
 - c) The FSR must comply with the administrative regulations of CADS, including the hours of duty (which are 40 hours per week, Monday to Friday).
 - d) The Contractor must provide 8/5 FSR technical support and expertise at CADS from Monday through Friday. Work hours must follow CADS' normal workday schedule of 0800 - 1600 hrs. The remainder of the time, including holidays, the Contractor must provide on-call coverage.
 - e) The FSR will perform maintenance and repair in support of CADS local technicians, with TA approval to include:
 - i. Diagnosis of problems;
 - ii. Modifications/updates to the hardware;
 - iii. Maintenance of hardware;
 - iv. Repair of failed hardware (repair is limited to material and spares held on site);
 - v. Document and contribute to Configuration Management using CADS systems of record, currently the Assyst ticketing system (training to be provided by DND).
 - f) The CADS unit is responsible to provide the FSR with access to the required administrative support such as an office, desk, telephone, fax and Defence Area Wide Network (DWAN) computer.
 - g) The FSR must maintain a thorough and up-to-date knowledge of the delivered equipment/systems and be the on-site Subject Matter Expert (SME) to DND personnel; which will include the conduct of training.
 - h) The FSR must provide ongoing training for the BLOS to operation and maintenance personnel through day to day activities and when requested by the TA through formal courses.
 - i) The FSR will serve as a liaison between CADS personnel and the Contractor and as such will be given ready access to Contractor engineering authorities for rapid answers to technical queries raised during the course of his/her duties with CADS.
 - j) The FSR cannot proceed with any modifications, updates or unscheduled inspections to the equipment without prior approval from the TA in the form of an email or a DND form 626 from the Procurement Authority or Contracting Authority when funding is required.
 - k) The FSR will be responsible to notify the CADS help desk and request an Assyst Ticket be opened to record all issues affecting the BLOS equipment. Additionally, the FSR will be required to keep the Assyst Ticket updated with all actions taken up to and including the resolution of the issues. This will require that the FSR receive basic Assyst training which will be provided by DND.
 - l) If additional hours are required beyond the standard duty day in supports of operations, a tasking request will be submitted by the contractor and must be approved by the TA and a DND 626 be issued by the PA or CA.

- m) The FSR must not, at any time, present on behalf of, or represent Canada. While providing support services to the Unit, the FSR will remain an employee or sub-contractor to the Contractor, providing engineering/technical services to CADS; and at no time will CADS or the individual form an employer-employee relationship to DND.

9. Help Desk and Remote Diagnostics

The Contractor must provide an “on-call help desk service” to respond to trouble calls during the duty day.

NOTE: problems calls include all BLOS system components including DND and Telco communication lines.

The Contractor is required to carry out remote diagnostics of BLOS GES sites by utilizing a Government Furnished maintenance laptop.

10. CLIN 5 – Additional Work Requests (AWR)

Additional Work Requests (AWR) are tasked using form DND 626, as authorized by the PA or CA, and include but may not be limited to the following:

- a) Potential improvements to the reliability, availability and maintainability of the BLOS GES and/or architecture, the RC&MS. And the TCR Link-11 Systems including software and hardware modifications/upgrades and training;
- b) Identification of opportunities to reduce maintenance costs; and
- c) BLOS collection of data to assist in the preparation of current operating cost reports and annual budget forecasts, including the collection of statistical information concerning the cost of maintenance of the GES, which includes the cost of repaired and replaced items, cost of contracted services and miscellaneous goods and the relocation of GES.
- d) Additional Work Request (AWR) must remain within the scope and budget of the Contract.
- e) AWRs that include anomalies, such as the use of overtime (O/T) rates where these would not normally be used, must be approved by the CA, irrespective of the dollar value for the Tasking Authorization form DND 626.

10.1 Training

The Contractor will provide and/or support Operator and Maintenance training at both the CADS and the TCR Squadrons to personnel operating and maintaining Link-11 equipment applicable to this contract.

This training will be conducted when required as determined by the TA and will be approved utilizing a DND 626 Task Authorization form.

The FSR will be utilized when practical to provide training at CADS during the Duty Day.

The Contractor is responsible for training all Contractor personnel involved in the ISSC for the BLOS CCS and TCR Link-11 Systems.

Canadian Air Defense Sector (CADS) – Training must be conducted at a minimum once (1) per year at the Canadian Air Defense Sector (CADS) to a maximum of three times (3) per year as determined by the TA.

TCR Sqn – Training will be conducted on an as required basis, determined by the TA and will not exceed once (1) per year.

Training dates will be requested by the TA in writing. The Contractor will then notify the TA in writing within 10 days of the availability to conduct the requested training or providing alternate dates for approval by the TA.

10.2 Training Documentation

The Contractor will prepare for, conduct, and provide Operator and Maintainer training on the BLOS CCS and TCR Link-11 Systems using the existing training materials provided as GFI. Prior to the commencement of training, the Contractor must provide course lesson plans, student handouts, and checklists to the TA, allowing the TA reasonable time (14 working days is suggested) to review and approve any revisions that are deemed necessary. Content of the training may be modified to meet technicians or operators requirements.

The Contractor will provide course material to both Operator and Maintainer course students in paper and electronic format.

When requested by the TA, the Contractor must update the training materials for clarity and completeness.

10.2.1 The training must cover but is not limited to the following:

- a) Link-11 system block diagram overview and signal flow;
- b) HF radio communications and ionosphere propagation;
- c) HF radio systems and theory;
- d) Automatic Link Establishment (ALE);
- e) HF antennas and theory;
- f) The effect of the solar cycle on HF communications (Data & Voice);
- g) The use of frequency prediction programs;
- h) Overview of Link-11 message formats;
- i) Training on the Data Terminal Set (DTS), currently the MX-512 PV, and the Link Monitoring System (LMS), currently the MX-512L;
- j) On the Job Training (OJT) to identify and resolve Link-11 problems; and
- k) Establishing a Battle Control System operational Link-11 with a BLOS GES at North Bay.
- l) The TCR Link-11 System training will also be combined with the Level 1 maintenance visit for a total of five (5) working days and must cover, but is not limited to, the following additional training:
 - i. HF radio systems and theory with emphasis on the TCR Sqn; and

- ii. On the Job Training (OJT) for the TCR technicians to identify and resolve Link-11 problems.

10.3 Technical Interchange Meeting

When tasked by the TA in the form of an approved Tasking Authorization form (DND 626) approved by the Procurement Authority or Contracting Authority (CA), the Contractor will conduct liaison visits to one of the following locations:

22 Wing North Bay;
TA's location in Ottawa; or at the Contractor facility.

The TIM will include representation from the TCR LCMM, 12 and 42 Rdr Sqn, (as required for the purpose of participating in discussions of maintenance issues.)

A report must be prepared by the Contractor and submitted within 15 days IAW CDRL 002. It is estimated that two of these visits may be required annually or more as directed by the TA.

11. Packaging, Handling, Shipment and Transportation (PHST)

PHST is to be completed in accordance with A-LM-184-001/JS-001.

12. Administration

12.1 Security of Work

The Contractor must perform the Work in accordance with the Security Requirements Check List (SRCL), Annex C. All persons employed in any Work under this contract must be identified to the TA to include Name, Date of Birth, Location of Birth, Security Clearance, and Security Clearance Expiry Date. For LMRT personnel, it is not necessary to provide Security Clearance and Clearance Expiry Date since LMRT personnel will not be accessing anything Secret however, LMRT personnel must be Controlled Goods Certified before being granted access to the BLOS GES System.

If LMRTs are utilized, the Contractor is accountable and responsible to ensure all LMRT personnel are properly trained and meet the requirements identified in section 5 CLIN 1 Maintenance Concept.

12.2 Access to Government Facilities

The TA or his/her designated representative will review Contractor requests for access to government facilities. When required, the TA will obtain approval for Contractor access to staff and information in relevant DND organizations.

12.3 Visit Clearance Requests.

The Contractor must be responsible for initiating the annual visit clearance request in accordance with the Public Services Procurement Canada/Canadian and International Industrial Security Division (PSPC/CIISD) and DND guidelines in order to have access to the DND BLOS GES sites located at but not limited to Trenton ON, Great Village (Debert) NS, 12 Wing Shearwater NS, Edmonton AB, 22 Wing North Bay, 12 Rdr Sqn Bagotville QC and 42 Rdr Sqn Cold Lake AB.

12.4 Contractor Arrival on Site

Upon arrival, the Contractor must report to the representative designated by the TA at a Canadian Forces unit and prior to commencement of work. (if applicable)

13. Equipment/Material

13.1 Contractor Held Inventory (CHI)

All items provided by the Government must be used by the Contractor solely for the purpose of the contract and must remain the property of the Crown. The Contractor will receive a BLOS and TCR equipment list (Appendix 4) and will receive and sign the BLOS GOCC/CHI inventory (Appendix 8) within 90 days of signing the contract. The Contractor must maintain adequate accounting records IAW CDRL 004 of all Government material and must mark the same as being the Crown's property.

The Contractor must maintain CHI in proper operating condition; apply configuration item tags provided by the TA and appropriate security tags if required. This equipment is not to be modified; and calibration kept current if calibration is required.

The documentation and technical data listed at Appendix 1 of this SOW, provided as Government Furnished Information (GFI) will remain the property of the Crown and must be managed by the Contractor.

13.2 BLOS Government Owned Contractor Custody (GOCC)

The government will provide the following items for the operation and/or maintenance of the BLOS. Should additional equipment be required for maintenance and support of the BLOS, the contractor may request the additional equipment from the TA.

Maintenance Aides:

- a) software to emulate the Control Group at the GES for maintenance purposes;
- b) the list of GOCC; and
- c) appropriate test equipment;

13.3 Calibration of Test Equipment

The Contractor must ensure that all Contractor-furnished test equipment utilized in any tasking carries a valid calibration seal and/or certificate, traceable to national or international standards (ISO 9002).

13.4 Manage of Government Owned Contractor Custody (GOCC)

The Contractor must manage the use and inventory of the GFE parts and components to support the BLOS system IAW Canadian Forces Publication A-LM-184-001/JS-001 - Repair, Overhaul, and Management of Centrally Managed Material. The GOCC inventory includes initial spares; other spare parts purchased during the contract, test equipment, and system documentation that includes publications and technical data. The Contractor must track any items being purchased or returned from repair until they have been delivered to DND.

The initial GES spares will be provided as Government Owned Contractor Custody (GOCC) by DND under a loan agreement.

13.5 Inventory of Government Owned Contractor Custody (GOCC)

The Contractor must confirm and update the independent inventory listing of GOCC for the BLOS in the Contractor's possession at the commencement of the Contract and must maintain an accurate accounting

of the GOCC throughout the Contract. The Contractor will use the Crown-provided GOCC databases as a starting point and customize as required. The lists must be cross-referenced by type, quantity, and Configuration Item (CI) Number if and when assigned, Manufacturer's Part Number, serial number and condition (serviceable, unserviceable, etc.).

The Contractor must submit a report of GOCC holdings to the TA IAW CDRL 004 for every quarter, end of FY (no later than 10 April), and at the closing of the contract for a 100% stock check in the format provided by the Government. The Government has the right to inspect the GOCC at any time.

13.6 BLOS Test Bed Facility

The Contractor must maintain a test bed comprised of DND owned CHI that mimics the BLOS architecture and system operation. The test bed will be used to test new or repaired equipment and to troubleshoot defective equipment. The Contractor must ensure equipment is operational at all times. The Test Bed is to be used for all equipment that can be connected together and configured to emulate the ones in the GES. If the Test Bed is located North Bay in the DLP building, the FSR will be responsible for its Configuration Management. The Test Bed should, at minimum, be composed of the following equipment in line with the current BLOS architecture unless indicated otherwise by the TA:

- a) Rockwell Collins RT-2200 HF Transmitter/Receiver;
- b) Rockwell Collins PA-2220 HF Linear Power Amplifier w/ PS-2220 power supply;
- c) MX-512PV - Data Terminal Set;
- d) TMR 5090 - Link monitor Receiver;
- e) MX-512L Link Monitor;
- f) 34336 Modem Rack with Power Supply; and
- g) Various adaptors and cables.

13.7 Storage of Government Supplied Material

As necessitated by the nature and locations of the Work, the Contractor may be required to receive and store Government Supplied Material (GSM) in order to efficiently perform the Work under the Contract. Due diligence dictates that the GSM be stored in an environmentally controlled and secure location/room at the Contractors' facility, awaiting shipment by the Contractor to the GES/Link-11 sites just-in-time for use. The identification of this storage area, including its sole use for Canada-owned GSM, will be outlined in the ISSP. Controlled Goods will be segregated from the other GSM.

The Contractor must maintain a minimum critical spares pool determined by the LCMM/TA and listed in Appendix 9.

14. Form, Fit and Function

It is important that all parts used in CADS BLOS system meet Form, Fit and Function criteria. This requirement will be met by ensuring all replenishment parts are not different from the system's approved configuration. Provisions should be put in place with the Spares that requires the Contractor to give advance notice of part changes. If spares are unavailable, the Contractor will examine and recommend suitable replacement parts. The TA must have the option of accepting the replacement part or procuring

additional original parts after considering any evaluation data presented. In some cases the system may need to be modified to accept a replacement part.

15. Project Management

15.1 General

The Contractor must implement project management to the extent necessary to satisfy the work required for the equipment described in this SOW. The Contractor must institute a system of project management that includes Program planning and control, Supplier control, Configuration Management, Financial Management, Data Management, and Risk Management.

The contractor must designate one full-time employee of the company as the Project Manager.

The Project Manager will be the principal point of contact for Canada's Procurement and Contracting authorities; and will be responsive to them for Work contained in the Contract.

15.2 Planning and Reporting

15.2.1 Planning

The Contractor must implement cost/schedule control procedures to ensure that program planning and control remain within Contract limitations.

15.2.2 Reporting

The Contractor must submit Monthly Progress Reports IAW CDRL 003, together with their monthly Claim for Progress Payment to the TA and CA.

Other reports include:

a) Weekly Equipment Status Report

The Contractor must submit Weekly Equipment Status Reports on the serviceability of all equipment at each GES site and CADS to the TA.

b) Completed Activity

To ensure the system is serviceable, prior to leaving any GES site or a TCR Link-11 System site, the Contractor must:

- i. Provide an informal (email) report to the TA or a designated representative of the TA to advise of the work that was performed, with specific reference to any outstanding deficiencies. If any deficiencies remain, the Contractor must advise when the deficiencies will be corrected;
- ii. prepare/submit a detailed report of the work performed during each visit to the TA/LCMM within 15 calendar days of the completion of the visit. The report must be prepared IAW CDRL 002 and will include a completed and signed checklist attesting that the site(s) has/have been restored to full operational capacity (FOC) IAW applicable Canadian Forces Technical Orders (CFTOs). This detailed report must also be included in the invoice submission.

The Contractor must contact 22 Wing ADSM and arrange a test of the BLOS IAW the PM/CM manual. This test will consist of an operational TADIL-A test with North Bay or other operational facilities, Airborne Warning and Control System (AWACS), ships or CP-140 Aurora when available.

Upon completion of maintenance of TCR Link-11, the Contractor must complete and operational test, confirm serviceability with the Radar Squadron Maintenance Officer and contact the TA.

16. Meetings

16.1 Monthly Update Meeting

The Contractor must conduct monthly update meetings to inform the TA (chairperson), PA and PSPC on pertinent BLOS and TCR Link-11 Systems matters and contractual issues. Schedule and budget deviations will be addressed and corrective measures discussed for timely implementation.

The Contractor must present a summary of the work in progress as well as the planned work until the next Monthly Update Meeting or major milestone.

The Contractor will be responsible to produce the agenda in consultation with the TA and minutes will be prepared by the Contractor and submitted within 15 days IAW CDRL 004.

16.2 Progress Review Meetings (PRM)

Progress Review Meetings (PRM) will be scheduled and chaired by the Public Services and Procurement Canada Contracting Authority on an "as and when required" basis, but not less than annually; and will take place either in Ottawa, or at the Contractor's facility and will be chaired by the CA.

A PRM will convene whenever discussions relate to contract, cost, schedule or scope of work.

16.3 Technical Review Meeting (TRM) or Technical Interchange Meeting (TIM)

The TA will schedule and chair the TRM or TIM on an "as and when required" basis. A TRM will convene whenever discussions are purely technical in nature and do not relate to the contract cost, schedule or scope of work. All problem areas as of the date of the review must be presented.

16.4 Agendas and Minutes of Meetings

20.4.1 For all PRM or TRM, the Contractor is responsible for preparing an agenda, keeping the minutes, recording action items and the provision for their issuance and distribution. The agenda and minutes will be prepared in Contractor format. The meeting minutes and notes will serve as a record of decisions, action items, open issues and will not convey any contractual authority to amend the contract.

CONTRACT DATA REQUIREMENTS LIST (CDRL)

CDRL ITEM	DID #	DESCRIPTION	DELIVERY ITEM SCHEDULE (CALENDAR DAYS)	APPLICABLE TO		FORMAT AND QUANTITIES	DISTRIBUTION
				BLOS	TCR		
001	ENG-001	In-Service Support Plan (ISSP)	Draft ISSP in the contractor's proposal and final ISSP within 30 days of contract award	X	X	One copy in electronic format compatible with MS Word or Adobe pdf (preferred) format on CD/DVD and one paper copy.	Technical Authority / Contracting Authority
002	Maint-001	PM/CM/TIM Trip Reports	15 days after trip completion	X	X	One copy in electronic format compatible with MS Word or Adobe pdf (preferred) format to be submitted to LCMM/TA via email.	Technical Authority
003	Maint-002	Technical Reports	30 days after tasking or as detailed in the call up	X	X	One copy in electronic format compatible with MS Word or Adobe pdf (preferred) format to be submitted to LCMM/TA via email.	Technical Authority
004	ILS-001	Report of GOCC Holdings	30 days of each GES visit then a 100% stock check every year	X		One copy in electronic format compatible with MS Word or Adobe pdf (preferred) format to be submitted to LCMM/TA via email.	Technical Authority

DATA ITEM DESCRIPTIONS (DID) – ENG-001

1. TITLE		2. IDENTIFICATION NUMBER	
In-Service Support Plan (ISSP)		ENG-001	
3. DESCRIPTION/PURPOSE			
This DID contains the format and content preparation instructions for the In-service Support Plan (ISSP) for the BLOS and TCR Link 11 Systems. A draft ISSP is submitted in the Contractor's proposal and the final ISSP to be submitted within 30 days of contract award for approval by the TA. It provides specific detailed information to aid the LCMM in the equipment support decision process.			
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST	6. GIDEP Applicable	
Draft ISSP in the contractor proposal and final within 30 days of contract	DAEPM(R&CS) 5-3		
7. APPLICATION /INTERRELATIONSHIP			
7.1 This DID contains the format and content preparation instructions for the data products resulting from the work task in the ISSC SOW			
8. ORIGINATOR		9. APPLICABLE FORMS	
DAEPM(R&CS) 5-3			
10. PREPARATION INSTRUCTIONS			
10.1 Content The In-Service Support Plan (ISSP) must contain the following:			
<ul style="list-style-type: none"> a. a description of the delivery of the services and goods required including remote diagnostics; b. the Contractor's performance goals (i.e. two hour response time to phone calls, etc.) for the delivery of the services and goods required and goals for the assurance of quality performance; c. the procedure for reporting performance and status to the TA; d. the procedures for call-out of Maintenance Repair Team (MRT) personnel; e. the procedures for the conduct of site visits including checklists; f. the procedures for the training of MRT personnel; g. a description of GSM and/or GOCC management, storage and administrative facilities; h. the procedures for inspection of received goods and storage of equipment and other items; i. the procedures for handling faulty equipment under warranty; j. the procedures for repairing or obtaining replacement parts; and k. the procedures for the investigation and remediation of incidents of unsatisfactory performance. 			
10.2 Format The format for the text portion of the ISSP must be in Contractor's format, except that it must be organised by paragraphs with headings. A paper and soft copy will be provided to the Government by the Contractor as outlined in the CDRL 001.			

Solicitation No. - N° de l'invitation
W8485-205946/001/A
Client Ref. No. - N° de réf. du client
W8485-205946

Amd. No. - N° de la modif.
File No. - N° du dossier
003QT-W8485-205946

Buyer ID - Id de l'acheteur
003QT
CCC No./N° CCC - FMS No./N° VME

DATA ITEM DESCRIPTIONS (DID) – Maint-001

1. TITLE PM/CM/TIM Trip Report		2. IDENTIFICATION NUMBER Maint-001	
3. DESCRIPTION/PURPOSE This DID contains the format and content preparation instructions for the PM/CM/TIM Trip Report for the BLOS and TCR Link 11 Systems. The Report provides detailed information on what activities took place during the visit and captures the amount of maintenance time required by Contractor personnel.			
4. APPROVAL DATE Fifteen (15) days after trip completion	5. OFFICE OF PRIMARY INTEREST DAEPM(R&CS) 5-3	6. GIDEP Applicable	
7. APPLICATION /INTERRELATIONSHIP 7.1 This DID contains the format and content preparation instructions for the data products resulting from the work task in the ISSC SOW			
8. ORIGINATOR DAEPM(R&CS) 5-3		9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS 10.1 Content: The PM/CM/TIM Report must contain the following as applicable: <ul style="list-style-type: none"> a. a general description of the purpose, location, scheduling and duration of the trip and the composition of the Maintenance Repair Team (MRT); b. a listing of all PM, CM or TIM work done at the site, to include hours spent and referenced to the appropriate PM and CM Instruction; c. a list of equipment replaced/aligned or adjusted or subjects discussed; d. items of concern, observations, graphics; e. any inspection results; f. digital photographs of work done and general site photographs in the following format (1024x760 pixels, colour, JPEG, 0% compression); g. a completed checklist to confirm the site has been returned to full operational capability (FOC); and h. follow-up action required and responsible agency. 10.2 Format: The format for the text portion of the PM/CM Report must be in Contractor's format. A soft copy will be provided to the Government by the Contractor as outlined in the CDRL 002.			

DATA ITEM DESCRIPTIONS (DID) – Maint-002

1. TITLE Technical Report	2. IDENTIFICATION NUMBER Maint-002
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3. DESCRIPTION/PURPOSE		
<p>This DID contains the format and content preparation instructions for the Technical Report for the BLOS and TCR Link 11 Systems. The Technical Report is produced by the Contractor in response to a specific tasking from the Technical Authority. It provides specific detailed information to aid the LCMMs in the equipment support decision process.</p>		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST	6. GIDEP Applicable
	DAEPM(R&CS) 5-3	
7. APPLICATION /INTERRELATIONSHIP		
<p>7.1 This DID contains the format and content preparation instructions for the data products resulting from the work task in the ISSC SOW.</p>		
8. ORIGINATOR		9. APPLICABLE FORMS
DAEPM(R&CS) 5-3		
10. PREPARATION INSTRUCTIONS		
<p>10.1 Content: The Technical Report must contain the following:</p> <ul style="list-style-type: none"> a. the Tasking Statement from the TA; b. the aim of the report; c. a brief description of the methodology followed to gather the information, including references and persons contacted; d. critical and other relevant factors; e. discussion and/or analysis; f. conclusions and recommendations (if requested); and g. supporting data (if requested). <p>10.2 Format: The format for the text portion of the Technical Report must be in Contractor's format, except that it must be organised by paragraphs with headings. A soft copy will be provided to the Government by the Contractor as outlined in the CDRL 003.</p>		

DATA ITEM DESCRIPTIONS (DID) – ILS-001

1. TITLE		2. IDENTIFICATION NUMBER
Report of Government Owned Contractor Custody (GOCC) Holdings		ILS-001
3. DESCRIPTION/PURPOSE		
<p>This DID contains the format and content preparation instructions for the Report of GOCC Holdings for the BLOS System. The Contractor produces the Report of GOCC Holdings. It provides specific detailed information to aid the LCMM in the equipment support decision process.</p>		
4. APPROVAL DATE	5. OFFICE OF PRIMARY INTEREST	6. GIDEP Applicable
	DAEPM(R&CS) 5-3	

Solicitation No. - N° de l'invitation
W8485-205946/001/A
Client Ref. No. - N° de réf. du client
W8485-205946

Amd. No. - N° de la modif.
File No. - N° du dossier
003QT-W8485-205946

Buyer ID - Id de l'acheteur
003QT
CCC No./N° CCC - FMS No./N° VME

7. APPLICATION /INTERRELATIONSHIP

7.1 This DID contains the format and content preparation instructions for the data products resulting from the work task in the ISSC SOW

8. ORIGINATOR

DAEPM(R&CS) 5-3

9. APPLICABLE FORMS

10. PREPARATION INSTRUCTIONS

10.1 **Content:** The report of GOCC Holdings must contain the following:

- a. the date of report preparation;
- b. a list of GOCC in the Contractor's possession for both the BLOS System by location, description, configuration item number, manufacturer part number, serial number (if applicable), reference manual, NSN (if assigned), total quantity installed, total quantity serviceable, unit price, date sent for R&O, date received from R&O, date tested, MTBF (if available), MTTR (if available), lead time to procure, and any other information deemed to be relevant to the GOCC.
- c. additions and deletions since last report; and
- d. comments or concerns.

10.2 **Format:** The format for the text portion of the Report must be in Contractor's format, except that it must be organised by paragraphs with headings. A soft copy will be provided to the Government by the Contractor as outlined in the CDRL 004.

ANNEX “B”

BASIS OF PAYMENT

The increase in all rates for option years shall be negotiated according to the monthly average of the previous years' rate and adjusted as per Statistics Canada's Consumer Price Index (CPI).

Travel and Living Expenses - No allowance for profit and overhead

The Contractor will be reimbursed for the authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, in accordance with Contract Cost Principles 1031-2, with no allowance for profit and/or administrative overhead. All payments are subject to government audit.

1.1 CLIN 01:

The Contractor will be paid a firm monthly price for ISS Work performed in accordance with the Statement of Work and as detailed in CDRL and the approved ISSP. This price includes overhead and profit for Government Stored Material (GSM)

In-Service Support (ISS) Rates							
	Contract Award to 31 Mar 2021	1 Apr 2021 To 31 Mars 2022	1 Apr 2022 To 31 Mars 2023	(Option 1) 1 Apr 2023 To 31 Mars 2024	(Option 2) 1 Apr 2024 To 31 Mars 2025	(Option 3) 1 Apr 2025 To 31 Mars 2026	(Option 4) 1 Apr 2026 To 31 Mars 2027
Firm Monthly Price	\$	\$	\$	TBD	TBD	TBD	TBD

1.2 CLIN 02:

The Contractor will be paid a firm lot price for Preventive Maintenance visits (including travel time) performed in accordance with the Statement of Work and CDRL.

Rates for Preventive Maintenance (PM) Visits (PV=per visit)							
Service Location	Contract Award to 31 Mar 2021	1 Apr 2021 To 31 Mars 2022	1 Apr 2022 To 31 Mars 2023	(Option 1) 1 Apr 2023 To 31 Mars 2024	(Option 2) 1 Apr 2024 To 31 Mars 2025	(Option 3) 1 Apr 2025 To 31 Mars 2026	(Option 4) 1 Apr 2026 To 31 Mars 2027
Debert	/PV	/PV	/PV	TBD	TBD	TBD	TBD
Shearwater	/PV	/PV	/PV	TBD	TBD	TBD	TBD

Iqualuit	/PV	/PV	/PV	TBD	TBD	TBD	TBD
Resolute Bay	/PV	/PV	/PV	TBD	TBD	TBD	TBD
Edmonton	/PV	/PV	/PV	TBD	TBD	TBD	TBD
Inuvik	/PV	/PV	/PV	TBD	TBD	TBD	TBD
Tofino	/PV	/PV	/PV	TBD	TBD	TBD	TBD
Trenton	/PV	/PV	/PV	TBD	TBD	TBD	TBD
TCR 12	/PV	/PV	/PV	TBD	TBD	TBD	TBD
42 Radar Squadrons	/PV	/PV	/PV	TBD	TBD	TBD	TBD

1.2.1 The Contractor will be paid a firm lot price for Combined Preventive Maintenance visits (including travel time) performed in accordance with the Statement of Work and CDRL.

Combined Preventive Maintenance Visits							
Service Location	Contract Award to 31 Mar 2021	1 Apr 2021 To 31 Mars 2022	1 Apr 2022 To 31 Mars 2023	(Option 1) 1 Apr 2023 To 31 Mars 2024	(Option 2) 1 Apr 2024 To 31 Mars 2025	(Option 3) 1 Apr 2025 To 31 Mars 2026	(Option 4) 1 Apr 2026 To 31 Mars 2027
Debert/ Shearwater	/PV	/PV	/PV	TBD	TBD	TBD	TBD
Iqualuit/ Resolute Bay	/PV	/PV	/PV	TBD	TBD	TBD	TBD
Edmonton/ Inuvik	/PV	/PV	/PV	TBD	TBD	TBD	TBD

1.3 CLIN 3:

The Contractor will be paid a firm or ceiling price, as agreed by Canada prior to the work being authorized based on the hourly rates in the Labour Categories below.

Corrective Maintenance (CM)

Labour Category	Contract Award to 31 Mar 2021	1 Apr 2021 To 31 Mars 2022	1 Apr 2022 To 31 Mars 2023	(Option 1) 1 Apr 2023 To 31 Mars 2024	(Option 2) 1 Apr 2024 To 31 Mars 2025	(Option 3) 1 Apr 2025 To 31 Mars 2026	(Option 4) 1 Apr 2026 To 31 Mars 2027
Project Manager (Hourly rate)	\$	\$	\$	TBD	TBD	TBD	TBD
Field Supervisor (Hourly rate)	\$	\$	\$	TBD	TBD	TBD	TBD
Senior Tech (Hourly rate)	\$	\$	\$	TBD	TBD	TBD	TBD
Administrative Support (Hourly rate)	\$	\$	\$	TBD	TBD	TBD	TBD
Upon approval of the Procurement and or Technical Authority, overtime may be paid at time and half (1.5) or Double time (2) based on the regular hourly rates above.							

1.4 CLIN 4:

The Contractor will be paid a firm or ceiling price, as agreed by Canada prior to the work being authorized based on the hourly rates in the Labour Categories below.

Field Service Support, Help Desk and Remote Diagnostics							
Labour Category	Contract Award to 31 Mar 2021	1 Apr 2021 To 31 Mars 2022	1 Apr 2022 To 31 Mars 2023	(Option 1) 1 Apr 2023 To 31 Mars 2024	(Option 2) 1 Apr 2024 To 31 Mars 2025	(Option 3) 1 Apr 2025 To 31 Mars 2026	(Option 4) 1 Apr 2026 To 31 Mars 2027
Field Service Representative (Hourly Rate)	\$	\$	\$	TBD	TBD	TBD	TBD
Help Desk and Remote Diagnostics Support (Hourly Rate)	\$	\$	\$	TBD	TBD	TBD	TBD
Upon approval of Procurement and or Technical Authority, overtime may be paid at time and half (1.5) or Double time (2) based on the regular hourly rates above.							

1.5 CLIN 5 – Additional Work Requests (AWRs)

1.5.1 Additional Work Requests are tasked on form DND 626, as authorized by the PA or CA; and include, but may not be limited to, the following:

- a) potential improvements to the reliability, availability and maintainability of the BLOS GESs and/or architecture, the RC&MS, and the TCR Link-11 Systems including software and hardware modifications/upgrades, training, technical Interchange meetings and;
- b) identification of opportunities to reduce maintenance costs; and
- c) BLOS collection of data to assist in the preparation of current operating cost reports and annual budget forecasts, including the collection of statistical information concerning the cost of maintenance of the GES, which includes the cost of repaired and replaced items, cost of contracted services and miscellaneous goods and the relocation of GES.

1.5.2 The labour rates in CLIN#3 & CLIN #4 above will be used for Additional Work Requests and must remain within the scope and budget of the Contract.

1.5.3 AWRs that include anomalies, such as the use of Overtime (O/T) rates where these would not normally be used, must be approved by the CA, irrespective of the dollar value for the Tasking Authorization form DND 626.

1.6 Mark-up:

1.6.1 Contractor Furnished Material Mark-up

Mark-up on Material/Parts, inclusive of G&A, Overhead and Profit, and the cost associated with the procurement of the goods equals: Laid-Down Cost + percentage (%) applied.

	YEAR 1	YEAR 2	YEAR 3	(Option 1)	(Option 2)	(Option 3)	(Option 4)
Mark-up on Material/Parts	Contract Award to 31 Mar 2021	1 April 2021- 31 Mar 2022	1 April 2022- 31 Mar 2023	1 Apr 2023 To 31 Mars 2024	1 Apr 2024 To 31 Mars 2025	1 Apr 2025 To 31 Mars 2026	1 Apr 2026 To 31 Mars 2027
	_____ %	_____ %	_____ %	TBD	TBD	TBD	TBD

1.6.2- Subcontract Markup

Mark-up on Subcontracts, including those for any sub-contracted Mobile Repair Party (MRP), is inclusive of G&A, Overhead and Profit, and the cost associated with the procurement of the services equals: Laid-Down Cost + percentage (%) applied.

	YEAR 1	YEAR 2	YEAR 3	(Option 1)	(Option 2)	(Option 3)	(Option 4)
Mark-up on Subcontracts	Contract Award to 31 Mar 2021	1 April 2021- 31 Mar 2022	1 April 2022- 31 Mar 2023	1 Apr 2023 To 31 Mars 2024	1 Apr 2024 To 31 Mars 2025	1 Apr 2025 To 31 Mars 2026	1 Apr 2026 To 31 Mars 2027
	_____ %	_____ %	_____ %	TBD	TBD	TBD	TBD

1.6.3 The following interpretations are applicable to this contract:

- a) Hourly Rate: firm hourly rate to be charged for each hour worked and prorated for any period less than an hour
- b) "Laid-Down Cost" is the cost incurred by a contractor to acquire a specific product. This includes the invoice price (less trade discounts) charged to the contractor plus any applicable charges for incoming transportation, foreign exchange, customs, duty and brokerage, but excludes applicable taxes.
- c) General and Administrative (G & A) overhead expenses and material handling costs that are applicable should be allocated as a cost associated with the embodiment of accountable advance spares in the year when the materials are embodied. When transfers of accountable advance spares inventory, are made to Canada for asset disposal, the general and administrative overhead expenses and material handling costs that are applicable are allocated at the time of transfer.

Solicitation No. - N° de l'invitation
W8485-205946/001/A
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W8485-205946

Amd. No. - N° de la modif.
File No. - N° du dossier
003QT-W8485-205946

Buyer ID - Id de l'acheteur
003QT
CCC No./N° CCC - FMS No./N° VME

ANNEX "C"

SECURITY REQUIREMENTS CHECK LIST

Solicitation No. - N° de l'invitation
W8485-205946/001/A
Client Ref. No. - N° de réf. du client
W8485-205946

Amd. No. - N° de la modif.
File No. - N° du dossier
003QT-W8485-205946

Buyer ID - Id de l'acheteur
003QT
CCC No./N° CCC - FMS No./N° VME

ANNEX “D” to PART 3 OF THE BID SOLICITATION

ELECTRONIC PAYMENT INSTRUMENTS

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

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);
- Large Value Transfer System (LVTS) (Over \$25M)

ANNEX "E" to PART 5 OF THE BID SOLICITATION

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 permanent full-time and/or permanent part-time employees.

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)

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W8485-205946

Amd. No. - N° de la modif.
File No. - N° du dossier
003QT-W8485-205946

Buyer ID - Id de l'acheteur
003QT
CCC No./N° CCC - FMS No./N° VME

ANNEX "F"

DND 626 TASK AUTHORIZATION FORM

ANNEX "G"

Financial Evaluation: See Appendix 1 to Annex G

1. For each year bidder's must propose pricing under the column "Bidder to provide Unit Price (\$) or Percentage (%)"
2. The number of hours or value is an estimate and for evaluation purposes only.
3. The Bidder's pricing provided under Appendix 1 to Annex G will be used in the resulting contract at Annex B for each year the work is being performed.
4. Totals provided for year 1+year 2+year-3 formulates the Bidder's Bid Price for Evaluation.
5. Rates for Optional Years will not form a part of this evaluation.

Note: Travel cost will not be a part of the evaluation as there are several variables for each requirement.

Appendix 1
 To Annex A
 (DAEPM (R&CS) 5-3)

BLOS AND TCR LINK 11 SYSTEMS – ISSC SOW
BLOS AND TCR LINK 11 SYSTEMS – EQUIPMENT MANUALS

BEYOND LINE OF SIGHT (BLOS) SYTEM – EQUIPMENT MANUALS

PUBLICATION NUMBER	PUBLICATION TITLE
C-54-A80-00/MF-001	Installation and Maintenance Manual, Beyond Line-of-Sight (BLOS) Central Communications Broadband Dipole Antenna Model 3065MTAE-113-2L
C-54-A80-00/MF-002	Installation and Maintenance Manual, Beyond Line-of-Sight (BLOS) Central Communications Transportable Broadband Dipole Antenna Model 4065-103-3/A
C-54-A80-00/MF-003	Installation and Maintenance Manual, Beyond Line-of-Sight (BLOS) Central Communications Omnidirectional Elliptically Polarized Broadband Antenna Model 2001
C-54-A80-00/MF-004	Technical Manual, Beyond Line-of-Sight (BLOS) Central Communications RFS-5202/6x6 Switch Matrix
C-54-A80-00/MF-005	Operation and Maintenance Instructions, Beyond Line-of-Sight (BLOS) Central Communications Link Monitor MX-512L
C-54-A80-00/MF-006	Operation and Maintenance Manual, Beyond Line-of-Sight (BLOS) Central Communications Communication Antenna Assembly TA-103AET/AEF
C-54-A80-00/MF-008	Equipment Descriptions, Beyond Line-of-Sight (BLOS) Central Communications
C-54-A80-00/MF-009	Operating and Maintenance Instructions, Beyond Line-of-Sight (BLOS) Central Communications Remote Control and Monitoring System
C-54-A80-00/MF-010	Preventative and Corrective Maintenance Instructions, Beyond Line-of-Sight (BLOS) Central Communications Ground Entry Stations

PUBLICATION NUMBER	PUBLICATION TITLE
C-54-A80-00/MF-011	Preventative and Corrective Maintenance Instructions, Beyond Line-of-Sight (BLOS) Central Communications Sector Aerospace Operations Center
C-54-A80-00/MF-013	Product Manual, Beyond Line-of-Sight (BLOS) Central Communications Environmental Control unit ECU24A14-4.0
C-54-A80-00/MF-014	Operation and Maintenance Instructions, Beyond Line-of-Sight (BLOS) Central Communications data Terminal Set Model MX-512PV
C-54-A80-00/MF-015	Operation Manual, Beyond Line-of-Sight (BLOS) Central Communications Modem 34336 and V.32 Modem Rack
C-54-A80-00/MF-016	Operation and Instruction Manual, Beyond Line-of-Sight (BLOS) Central Communications Voice Orderwire and Diagnostics Unit MDS 3017
C-54-A80-00/MF-017	User's Manual, Beyond Line-of-Sight (BLOS) Central Communications Site Sentry Model SS2
C-54-A80-00/MF-018	Operation and Maintenance Manual, Beyond Line-of-Sight (BLOS) Central Communications Radio/Telephone Interface Unit RTU-282
CPN 270-2695-060	Operation and Maintenance Instructions HF-SSB, 1-KW Linear Power Amplifier Rockwell Collins PA-2200 Vendor Manual
523-0777920	Rockwell Collins Radio Receiver-Transmitter RT-2200, Instruction book (intermediate maintenance) Vendor Manual
C-54-A80-00/MF-021	Software Operations Manual, Beyond Line-of-Sight (BLOS) Central Communications CSW 1290
C-54-A80-00/MF-022	Deleted Equipment replaced – equip still in use
C-54-A80-00/MF-025	Technical Manual, Beyond Line-of-Sight (BLOS) Central Communications Model 1045 ALE Radio Controller
C-54-A80-00/MF-026	Installation, Operation and Service Manual, Beyond Line-of-Sight (BLOS)

PUBLICATION NUMBER	PUBLICATION TITLE
	Central Communications Transfer Switch Controller TSC 800
C-54-A80-00/MF-027	Installation, Operation and Service Manual, Beyond Line-of-Sight (BLOS) Central Communications Automatic Transfer Switches TS 850
C-54-A80-00/MF-028	User's Guide, Beyond Line-of-Sight (BLOS) Central Communications Code Activated Switch CAS-161A
C-54-A80-00/MF-029	User's Guide, Beyond Line-of-Sight (BLOS) Central Communications 8-Port Code Activated Switch CAS-81
C-54-A80-00/MF-030	Operator Manual, Beyond Line-of-Sight (BLOS) Central Communications Basic Patch/Standard Patch (Series 4004/Series 4001)
C-54-A80-00/MF-031	User's Manual, Beyond Line-of-Sight (BLOS) Central Communications Ancillary Equipment
C-54-A80-00/MF-032	Installation and Operation Manual, Beyond Line-of-Sight (BLOS) Central Communications MX-2000 Multiplexer System
C-54-A80-00/MF-033	Troubleshooting, Beyond Line-of-Sight (BLOS) Central Communications Intelligent Digital Programmable Switch iDPX-1000
C-54-A80-00/MF-034	User's Manual, Beyond Line-of-Sight (BLOS) Central Communications Intelligent Digital Programmable Switch iDPX-1000
C-54-A80-00/MF-035	Configuration Manual, Beyond Line-of-Sight (BLOS) Central Communications Intelligent Digital Programmable Switch iDPX-1000
C-54-A80-00/MF-036	Interface Control Documentation, Beyond Line-of-Sight (BLOS) Central Communications
05-3627A01, Rev E	LEDR Series Digital Microwave Radios LEDR 400S/F, 700S, 900S/F, 1400S/F Models

**TACTICAL CONTROL RADAR (TCR) LINK 11 SYSTEMS –
EQUIPMENT MANUALS**

PUBLICATION NUMBER	PUBLICATION TITLE
C-54-MF-014-MX-512PV	Operation and Maintenance Instructions Beyond Line of Sight (BLOS) Central Communications Link-11 Data Terminal Model MX-512PV
C-54-MF-005-MX-512L	Operation and Maintenance Instructions Beyond Line of Sight (BLOS) Central Communications Link Monitor Model MX-512L
MIL-STD-188_203-1A	Military Standard Interoperability and Performance Standards for Tactical Digital Information Link (TADIL) A
5970-600200	JPS Communications, Installation and Operation Manual, RTU-292 Radio / Telephone Interface Unit
CPN 270-2695-060	Rockwell Collins, Operation And Maintenance Instructions HF-SSB1-KW Linear Power Amplifier Vendor Manual
523-0777920-003211	Rockwell Collins, Radio Receiver- Transmitter RT-2200, Instruction book (intermediate maintenance) Vendor Manual
523-0818053-003811	Rockwell Collins 721S-() VHF, UHF, and V/UHF Fixed Site Radios, Instruction book (intermediate maintenance) Vendor Manual

APPENDIX 1 to ANNEX “B”

1.0 GENERAL INFORMATION

- 1.1 As stated in the Basis of Payment at Annex “B”, the rates payable for any exercised option years, will be calculated by applying the Consumer Price Index (CPI) to the previous year rates, in accordance with the procedures specified in this Appendix.
- 1.2 The application of the annual Consumer Price Index (CPI) can result in an increase or decrease when compared to the previous year rates, in accordance with the change in the indices.

2.0 CPI – ESCALATION INDICES ADJUSTMENT METHODOLOGY

- 2.1 The escalation indices adjustment will be based on the year over year twelve month average change as detailed in Statistics Canada Table 18-10-004-01 (formerly CANSIM 326-0020) Consumer Price Index (monthly, not seasonally adjusted), all items-Canada and as outlined below.

How to cite: Statistics Canada. Table 18-10-0004-01 Consumer Price Index, monthly, not seasonally adjusted <https://www150.statcan.gc.ca/t1/tbl1/en/tv.action?pid=1810000401>

DOI: <https://doi.org/10.25318/1810000401-eng>

- 2.2 The following methodology will be used to calculate the rates:

- a) Calculation Method and Definition:

$$R = \left\{ \frac{(C1 - C)}{C} \right\} \times 100$$

Where,

R = Escalation percentage from a 12 month period commencing 16 months immediately prior to the new year start date and ending 4 months prior to the new year start date. (The new year start date represents the year for which rates are being calculated.)

C = Annual Average Index for the 12 months ended 16 months immediately prior to the new year start date based on Statistics Canada Table 18-10-004-01 (formerly CANSIM 326-0020) Consumer Price Index (monthly, not seasonally adjusted), all items-Canada.

C1 = Annual Average Index for the 12 months ended 4 months immediately prior to the new year start date based on Statistics Canada Table 18-10-004-01 (formerly CANSIM 326-0020) Consumer Price Index (monthly, not seasonally adjusted), all items- Canada.

Each year's rates will be calculated by multiplying the percentage increase in the CPI escalation (R) and the previous year amount as stated in the Basis of Payment.

- b) For option years 1, 2, 3 and 4 exercised, the Contracting Authority will calculate the rates in accordance with this Appendix and amend the contract accordingly to reflect the calculated rate. Alternatively, if requested by the Contracting Authority, the Contractor must calculate the rates in accordance with this Appendix and provide to the Contracting Authority the calculated rates for verification and inclusion into the Contract.
- c) If any of the Statistics Canada Consumer Price Index (CPI) indices set out in the Contract are discontinued, the Parties shall immediately thereafter negotiate and agree upon replacement indices consistent with those in the Contract.
- d) The Contractor and Canada are entitled to adjustments for any retroactive change to the published values of any index used to determine rate(s) beyond the first year of the Contract. Notification of, and retroactive adjustments are to be made in a timely manner. Only changes to already established firm rate(s) resulting from retroactive changes to any index value occurring within a period of twelve (12) months from its 'first published date' are allowable. In such cases, one Party of the Contract is to advise the other Party of the revised index and the resulting revised rate(s). The Contractor must then use the revised rate(s) for invoicing and promptly settle any amount(s) previously invoiced, if applicable, within three (3) months from the dates the revised rate(s) are incorporated into a contract amendment.
- e) All calculations will be performed to the limits of the computer (i.e., no limit on the number of significant decimals).

3.0 CPI – Example

(Amounts and dates are not actual) In the year commencing January 1, 2021, the Contract, the rates subject to escalation, as stated in ----- would be adjusted as follows:

Assumptions:

R = Escalation percentage change from a 12 month period commencing 16 months immediately prior to the new contract year start date (August 2019) and ending 4 months immediately prior to the contract year start date (August 2020) for Statistics Canada Table 18-10-004-01 (formerly CANSIM 326-0020) Consumer Price Index (monthly, not seasonally adjusted), all items- Canada.

C = Annual Average Index for the 12 months ended 16 months immediately prior to the new Contract year start date (August 2019) based on Statistics Canada Table 18-10-004-01 (formerly CANSIM 326-0020) Consumer Price Index (monthly, not seasonally adjusted), all items-Canada.

C1 = Annual Average Index for the 12 months ended 4 months immediately prior to the new Contract year start date (August 2020) based on Statistics Canada Table 18-10-004-01 (formerly CANSIM 326-0020) Consumer Price Index (monthly, not seasonally adjusted), all items-Canada.

Increase Calculation:

Index

Calculations:

$$R = \left[\frac{(C1 - C)}{C} \right] \times 100$$

$$R = \left[\frac{(136.63 - 135.08)}{135.08} \right] \times 100$$

$$R = 1.15\%$$

Therefore, the applicable prices, as stated in ----- would be increased by 1.15%.

BLOS AND TCR LINK 11 SYSTEMS – ISSC SOW
BLOS AND TCR LINK 11 SYSTEMS - SITE LOCATIONS

BLOS SYSTEM – SITE LOCATIONS

1. Resolute Bay, NU. The transmit site is on lands adjacent to the Transport Canada HF Transmit Site, 2 km north of the Airport on the west side of Transmitter Site Road. The receive site is located on the east side of VOR Road, 1.5 km north-east of the Airport, 500 m before the VOR site.
2. Inuvik, NT. The transmit site is located 500 m off Dempster Highway, approximately 3.5 km north of the Airport, on land opposite the Transport Canada HF Transmit/NDB Site. The receive site is located on the west side of Dempster Highway, 1 km east of the Airport, on land adjacent to the Transport Canada VHF/HF Receive Site.
3. Iqaluit, NU. The transmit site is located 1.5 km south-west of the Airport on Transmitter Site Road on the west side of the Koojessie Inlet, on land north of the Transport Canada HF Transmit Site. The receive site is located on the crest of the hill 1.5 km north-east of the town, between the Transport Canada and Coast Guard VHF and HF Receive Sites.
4. Edmonton, AB. The transmit and receive sites are co-located with 742 Communication Squadron HF Transmit and Receive Sites at Edmonton. The transmit site is located at the Cardiff Transmit Site, located northeast of Cardiff AB, west of Hwy 28 and north of Hwy 842. The receive site is located at the Riverbend Receive Site, located at the intersection of 17th St NE and Hwy 15, north-east of Edmonton, and south of Fort Saskatchewan AB.
5. Debert, NS. The transmit and receive sites are co-located with Communication Detachment Great Village NS HF Transmit and Receive Sites. The Great Village Transmit Site is 1.5 km east of the Village of Great Village. The Masstown Receive Site is 2 km south of Village of Masstown.
6. Shearwater, NS. The transmit site is located at the Hartlen Point DND HF Site, south of the village of South Eastern Passage. The receiver site is located at the 12 Wing Shearwater Airport, adjacent to Building 38A (Control Tower).
7. Tofino, BC. The transmit site is located at the Transport Canada Beacon Site (YAZ NDB) on Route 4, five km south of the Tofino Airport, on the West side of the highway. The receive site is located at the Tofino Airport, next to the Transport Canada and Environment Canada Weather Office.
8. Trenton, ON. The transmit site is located at the Point Petre DND HF site and the receive site is located on the Loyalist Parkway near Carrying Place. They are comprised of a portable system located within the CFB Trenton MACS site.

9. North Bay, ON. The BLOS System Control Group is located at the Joint Operations Flight, 21 Aerospace Control and Warning Squadron, 22 Wing North Bay. This is housed in Building 127, the Sergeant David L. Pitcher Building (DLP bldg).

TCR LINK 11 SYSTEMS – SITE LOCATIONS

10. 12 Radar Squadron Bagotville. The 12 Rdr Sqn Bagotville garrison site is located approximately 60 km from 3 Wing Bagotville. Information and road maps are enclosed to facilitate travelling to the location. (See MAP – 12 TCR Sqn)

11. 42 Radar Squadron Cold lake. . The 42 Rdr Sqn Cold Lake garrison site is located approximately 50 km from 4 Wing Cold Lake. Information and road maps are enclosed to facilitate travelling to the location. (See MAP – 42 TCR Sqn)

Appendix 4
 To Annex A
 (DAEPM(R&CS) 5-3)

List of Operational BLOS/TDL Equipment:

Hardware SC: Configuration item number in the Assyst data base:
 Contains part number, model, and serial number

Hardware name: common nomenclature

Sites: CADS: Canadian Air Defence Sector at 22 Wing North Bay

DBT: Debert, NS

EDM: Edmonton, AB

IQT: Iqaluit, NU

IVK: Inuvik, NWT

RST: Resolute Bay, NU

SHW: Shearwater, NS

TFN: Tofino, BC

TTN: Trenton, ON

TCR: 12 ER: 3 Wing Bagotville, PQ

42 Rdr: 1 Wing Cold Lake, AB

Hardware SC	Hardware Name	Site	Product	DMC
00094325	DATA TERMINAL SET / STRING A	CADS	MX-512PV (34000-811-830)	D
00094326	DATA TERMINAL SET / STRING B	CADS	MX-512PV (34000-811-830)	D
00094328	MODEM RACK #2	CADS	RMO32	
00094329	MODEM RACK #3	CADS	RMO32	
00094335	Monitor	CADS	VX910	
00094336	Monitor	CADS	VX910	
00094337	IDPX 1000	CADS	2400032-1 SR1	
00104300	KVM Display Console	CADS	TFT7600	
00106283	DISDN TDM 5 / DEBERT	CADS	MX-2000	
00106284	DISDN TDM 4 / SHEARWATER	CADS	MX-2000	
00106285	DISDN TDM 2 / TOFINO	CADS	MX-2000	
00106286	DISDN TDM 1 / EDMONTON	CADS	MX-2000	
00106436	LONGVIEW KVM EXTENDER	CADS	UNKNOWN	
00106437	LONGVIEW KVM EXTENDER	CADS	UNKNOWN	
00106438	TONE JACK - AUDIO GENERATOR	CADS	RX-11	
00106439	TONE JACK - AUDIO GENERATOR	CADS	RX-11	
00106440	TONE SWITCH	CADS	9800656-1	
00106441	TONE SWITCH	CADS	9800656-1	

Appendix 4
 To Annex A
 (DAEPM(R&CS) 5-3

Hardware SC	Hardware Name	Site	Product	DMC
00106442	8-PORT DUAL SPEED HUB	CADS	SMC-EZ5808DS	
00106443	MODEM RACK POWER SUPPLY	CADS	P1PZ11767	
00106444	MODEM RACK POWER SUPPLY	CADS	P1PZ11767	
00106445	MODEM RACK POWER SUPPLY	CADS	P1PZ11767	
00106580	KLS.1	CADS	KM2000-NEWSL.1	
00106594	KML 4	CADS	LRU	
00106643	MAIN IDPX CHASSIS / ID #7	CADS	2260330-1	
00106644	POWER SUPPLY CHASSIS (2nd)	CADS	3210348-1 SR2	
00106645	POWER SUPPLY SHELF TYPE 3	CADS	3210350-1 SR3	
00106646	BREAKER PANEL - CHASSIS	CADS	3210348-1 SR2	
00106647	ASSOCIATE PROCESSOR	CADS	3210524-1 SR2	
00106648	MIXER MODULE	CADS	3210538-6 SR1	
00106649	OPERATOR I/F B MODULE	CADS	3210525-4 SR1	
00106811	MODEM - 34336	CADS	34336	
00106812	MODEM - 34336	CADS	34336	
00106813	MODEM - 34336	CADS	34336	
00106814	MODEM - 34336	CADS	34336	
00106815	MODEM - 34336	CADS	34336	
00106816	MODEM - 34336	CADS	34336	
00106817	MODEM - 34336	CADS	34336	
00106818	MODEM - 34336	CADS	34336	
00106819	MODEM - 34336	CADS	34336	
00106820	MODEM - 34336	CADS	34336	
00106821	MODEM - 34336	CADS	34336	
00106822	MODEM - 34336	CADS	34336	
00106823	MODEM - 34336	CADS	34336	
00106824	MODEM - 34336	CADS	34336	
00106825	MODEM - 34336	CADS	34336	
00106826	MODEM - 34336	CADS	34336	
00106827	MODEM - 34336	CADS	34336	
00106828	MODEM - 34336	CADS	34336	
00106829	MODEM - 34336	CADS	34336	
00106830	MODEM - 34336	CADS	34336	
00106831	MODEM - 34336	CADS	34336	
00106832	MODEM - 34336	CADS	34336	
00106833	MODEM - 34336	CADS	34336	
00106834	MODEM - 34336	CADS	34336	
00106835	X.21 MAIN LINK CARD / KML.4	CADS	KM2000-ML	
00106836	KCL.1	CADS	KM2000-CL1	

Appendix 4
 To Annex A
 (DAEPM(R&CS) 5-3)

Hardware SC	Hardware Name	Site	Product	DMC
00106837	KLS.1	CADS	KM2000-NEWSL.1	
00106838	KLS.1	CADS	KM2000-NEWSL.1	
00106839	KVC.1 FXO	CADS	KVC1/FXO	
00106840	NTDS I/O CARD	CADS	20183ASSY34109	
00106841	PROCESSOR CARD	CADS	35110 853-0083	
00106842	NTDS I/O CARD	CADS	20183ASSY34109	
00106843	PROCESSOR CARD	CADS	35110 853-0083	
00106844	SWITCHING POWER SUPPLY AC/DC	CADS	2210580-2 SR1	
00106845	SWITCHING POWER SUPPLY AC/DC	CADS	2210580-2SR1	
00106846	DC/DC CONVERTER +5V/18A	CADS	2210581-2 SR1	
00106847	DC/DC CONVERTER +5V/18A	CADS	2210581-2 SR1	
00106848	DC/DC CONVERTER	CADS	2210582-2 SR1	
00106849	SWITCHING POWER SUPPLY AC/DC	CADS	2210580-2SR1	
00106850	DC/DC CONVERTER +5V/18A	CADS	2210581-2 SR1	
00106851	DC/DC CONVERTER -	CADS	2210582-2 SR1	
00106852	RINGING GENERATOR	CADS	3210193-4 SR1	
00106853	POWER MONITOR	CADS	3210465-8 SR1	
00106854	LANDLINE MODULE	CADS	2210956-8 SR2	
00106855	LANDLINE MODULE	CADS	2210956-8 SR2	
00106856	LANDLINE MODULE	CADS	2210956-8 SR2	
00106857	LANDLINE MODULE	CADS	2210956-8 SR2	
00106858	LANDLINE MODULE	CADS	2210956-8 SR2	
00106859	LANDLINE MODULE	CADS	2210956-8 SR2	
00106860	LANDLINE MODULE	CADS	2210956-8 SR2	
00106861	DBSIM MODULE	CADS	3210555-4 SR2	
00107161	DTS CABINET	CADS	Gen Rack	
00107162	DISDN RACK	CADS	Gen Rack	
00107163	SERVER RACK	CADS	Gen Rack	
00107164	IDPX 1000 CABINET	CADS	Gen Rack	
00107165	CLIENT 3 2 MONITOR	CADS	ACER X193	
00107417	MULTIPLEXER	CADS	MX-2100	
00107805	KLS.1	CADS	KM2000-NEWSL.1	
00107806	KLS.1	CADS	KM2000-NEWSL.1	
00107807	KLS.1	CADS	KM2000-NEWSL.1	
00107808	KLS.1	CADS	KM2000-NEWSL.1	
00107809	KLS.1	CADS	KM2000-NEWSL.1	
00107810	MODEM DISTRIBUTION BOX 3	CADS	MDB 3	
00107811	MODEM DISTRIBUTION BOX 2	CADS	MDB 2	
00107812	MODEM DISTRIBUTION BOX 1	CADS	MDB 1	

Appendix 4
 To Annex A
 (DAEPM(R&CS) 5-3

Hardware SC	Hardware Name	Site	Product	DMC
00107813	MX-2000 POWER SUPPLY	CADS	KMPS REV 0.3	
00107814	MX-2000 POWER SUPPLY	CADS	KMPS REV 0.3	
00107815	MX-2000 POWER SUPPLY	CADS	KMPS REV 0.3	
00107816	MX-2000 POWER SUPPLY	CADS	KMPS REV 0.3	
00107817	X.21 MAIN LINK CARD / KML.4	CADS	KM2000-ML	
00107818	X.21 MAIN LINK CARD / KML.4	CADS	KM2000-ML	
00107819	KVC.1 FXO	CADS	KVC1/FX0	
00107820	KVC.1 FXO	CADS	KVC1/FX0	
00107821	KVC.1 FXO	CADS	KVC1/FX0	
00107822	X.21 MAIN LINK CARD / KML.4	CADS	KM2000-ML	
00107823	KCL.1	CADS	KM2000-CL1	
00107824	KCL.1	CADS	KM2000-CL1	
00107825	KCL.1	CADS	KM2000-CL1	
00108732	MX-2000 MULTIPLEXER	CADS	MX-2000	
00113796	KML 4	CADS	LRU CARD	
00121407	HDD # 4: HP 300GB 10K SAS	CADS	EG0300FCSPH	
00121408	HDD # 3: HP 300GB 10K SAS	CADS	EG0300FCSPH	
00121409	HDD # 2: HP 300GB 10K SAS	CADS	EG0300FCSPH	
00121410	HDD # 1: HP 300GB 10K SAS	CADS	EG0300FCSPH	
00121411	HDD # 3: HP 300GB 10K SAS	CADS	EG0300FCSPH	
00121415	HDD # 4: HP 300GB 10K SAS	CADS	EG0300FCSPH	
00121412	HDD # 4: HP 300GB 10K SAS	CADS	EG0300FCSPH	
00121413	HDD # 2: HP 300GB 10K SAS	CADS	EG0300FCSPH	
00121414	HDD # 1: HP 300GB 10K SAS	CADS	EG0300FCSPH	
00121416	HDD # 3: HP 300GB 10K SAS	CADS	EG0300FCSPH	
00121417	HDD # 2: HP 300GB 10K SAS	CADS	EG0300FCSPH	
00121418	HDD # 1: HP 300GB 10K SAS	CADS	EG0300FCSPH	
00121419	HDD # 4: HP 300GB 10K SAS	CADS	EG0300FCSPH	
00121420	HDD # 3: HP 300GB 10K SAS	CADS	EG0300FCSPH	
00121421	HDD # 2: HP 300GB 10K SAS	CADS	EG0300FCSPH	
00121422	HDD # 1: HP 300GB 10K SAS	CADS	EG0300FCSPH	
00123083	HP - PROLIANT DL 585 G7 SERVER	CADS	DL 585 G7	
00123084	HP - PROLIANT DL 360 G8 SERVER	CADS	DL 360 G8	
00123085	HP - PROLIANT DL 360 G8 SERVER	CADS	DL 360 G8	
00123086	HP - PROLIANT DL 585 G7 SERVER:	CADS	DL 585 G7	
00129798	RACK KVM	CADS	HP AF616A	
00130098	DEVICEMASTER - RTS 32 PORT	CADS	99456-5	
00094327	MODEM RACK 1	CADS	RMO32	

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Hardware SC	Hardware Name	Site	Product	DMC
00107346	CODE ACTIVATED SW	DBT	CAS-81A	
00107349	TIME DIVISION MUX (ISCS TDM)	DBT	MX-2000	
00107382	MX-512L LINK MONITOR	DBT	MX-512L	D
00107388	MX-512L LINK MONITOR	DBT	MX-512L	D
00107389	PROCESSOR CARD	DBT	35110-843-0037	
00107390	LMS/AM CARD	DBT	34176-502	
00107391	HF RECEIVER (LINK MONITOR)	DBT	TMR-5090	
00107392	POWER SUPPLY	DBT	700139-705-002	
00107393	CPU BOARD	DBT	700137-536-001	
00108713	DSP BOARD	DBT	700084-536-001	
00107395	SYN BOARD	DBT	700109-536-001	
00108715	REC BOARD	DBT	700108-536-001	
00107397	RF SWITCH MATRIX	DBT	RFS-5202/6X6	
00107398	TX UPS	DBT	UPS STATION GXT	
00109248	ESMS CTRL, SLAVE	DBT	RIF161616D	
00110628	TRANSCEIVER	DBT	LEDR 400S	D
00108734	TRANSCEIVER	DBT	LEDR 400S	
00113376	RTIU	DBT	RTIU-292	
00107308	MX-512L LINK MONITOR	DBT	MX-512L	D
00107309	PROCESSOR CARD	DBT	35110-843-0037	
00107310	LMS/AM CARD	DBT	34176-502	
00107311	DATA TERMINAL SET	DBT	MX-512PV	D
00107312	PROCESSOR CARD	DBT	35110-883-0033	
00107313	NTDS I/O CARD	DBT	20183ASSY34109	
00107315	MODEM SPLITTER	DBT	UNKNOWN	
00107316	MODEM RACK V.32	DBT	RMO-32X	
00107318	POWER SUPPLY MODULE	DBT	P1PZ11767	
00107320	TIME DIVISION MUX (ISCS TDM)	DBT	MX-2000	
00109247	ESMS CTRL, MASTER	DBT	RIF161616D	
00107323	CODE ACTIVATED SW	DBT	CAS161A	
00107349	TIME DIVISION MUX (ISCS TDM)	DBT	MX-2000	
00107406	UPS GXT	DBT	UPS	
00107418	TIME DIVISION MUX (RLCS TDM)	DBT	MX-2100	
00107546	RT-2200 Receiver # 1	DBT	RT-2200	D
00107548	RT-2200 Receiver # 2	DBT	RT-2200	D
00107535	RT-2200 Voice Exciter # 1	DBT	RT-2200	D
00107559	RT-2200 Data Exciter # 2	DBT	RT-2200	D
00107597	PS-2220A - Power Supply # 1	DBT	PS-2220	A
00107595	PS-2220A - Power Supply # 2	DBT	PS-2220	A

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Hardware SC	Hardware Name	Site	Product	DMC
00107568	PA-2200A - LPA Amplifier # 1	DBT	PA-2200A	
00113420	PA-2200A - LPA Amplifier # 2	DBT	PA-2200A	
00109296	TRANSCEIVER	DBT	LEDR 400S	D
00113408	TRANSCEIVER UHF RADIO	DBT	RT-721S-2	D
00109254	ESMS CTRL, SLAVE	EDM	RIF161616D	
00106235	TIME DIVISION MUX (ISCS TDM)	EDM	MX-2000	
00106237	TX UPS	EDM	GTX2000-RT-120	
00106246	RF SWITCH MATRIX	EDM	RFS-5202/6X6	
00106247	HF RECEIVER	EDM	TMR-5090	
00106248	CODE ACTIVATED SW	EDM	CAS-81A	
00106249	LINK MONITOR RECEIVER	EDM	MX-512L	D
00106517	TRANSCEIVER	EDM	LMR 400S	
00106543	PROCESSOR CARD	EDM	35110-843-0037	
00106544	LMS/AM CARD	EDM	34176-502	
00107557	RT-2200 Exciter # 1	EDM	RT-2200	D
00107562	RT-2200 Exciter # 2	EDM	RT-2200	D
00113359	PS-2220A - Power Supply # 1	EDM	PS-2220	A
00107592	PS-2200A - Power Supply # 2	EDM	PS-2220	A
00113411	PA-2200A LPA Amplifier # 1	EDM	PA-2200A	
00113414	PA-2200A LPA Amplifier # 2	EDM	PA-2200A	
00103337	TRANSCEIVER UHF RADIO	EDM	RT-721S-2	D
00106200	DATA TERMINAL SET	EDM	MX-512PV	D
00106289	CODE ACTIVATED SW	EDM	CAS161A	
00109253	ESMS CTRL, MASTER	EDM	RIF161616D	
00106291	TIME DIVISION MUX (ISCS TDM)	EDM	MX-2000	
00106292	TIME DIVISION MUX (RLCS TDM)	EDM	MX-2000	
00106294	MODEM RACK V.32	EDM	RMO-32X	
00106295	LINK MONITOR	EDM	MX-512L	D
00113375	RTIU	EDM	RTIU-292	
00106555	MODEM SPLITTER (L/L Modem)	EDM	UNKNOWN	
00106556	PROCESSOR CARD	EDM	35110-843-0037	
00106557	LMS/AM CARD	EDM	34176-502	
00106558	NTDS I/O CARD	EDM	20183ASSY34109	
00106559	PROCESSOR CARD	EDM	35110-883-0033	
00106560	TRANSCEIVER	EDM	LEDR 400S	D
00106561	POWER SUPPLY MODULE	EDM	P1PZ11767	
00107531	RT-2200 RECEIVER # 1	EDM	RT-2200	D
00107537	RT-2200 RECEIVER # 2	EDM	RT-2200	D

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Hardware SC	Hardware Name	Site	Product	DMC
00113394	RTIU	IQT	RTIU-292	
00107490	LINK MONITOR	IQT	MX-512L	D
00109132	PROCESSOR CARD	IQT	35110-883-0033	
00109133	LMS/AM CARD	IQT	34176-502	
00108491	DATA TERMINAL SET	IQT	MX-512PV	D
00107424	PROCESSOR CARD	IQT	35110-883-0033	
00109135	NTDS I/O CARD	IQT	34109-513	
00107492	UHF TRANSCEIVER	IQT	LEDR 400S	D
00113335	VHF - UHF RADIO TRANSCEIVER	IQT	RT-721S-2	D
00113346	Remotely controlled A/B Switch	IQT	4428	
00109158	MODEM SPLITTER	IQT	TL073A-R2	
00109159	MODEM RACK V.32	IQT	RMO-32X	
00109136	POWER SUPPLY MODULE	IQT	P1PZ11767	
00109138	RCMS MODEM	IQT	34336	
00109139	DTS MODEM	IQT	34336	
00109137	LINK MONITOR MODEM	IQT	34336	
00107494	TIME DIVISION MUX (ISCS TDM)	IQT	MX-2000	
00107495	TIME DIVISION MUX (RLCS TDM)	IQT	MX-2000	
00109259	ESMS CTRL, MASTER	IQT	RIF161616D	
00107507	CODE ACTIVATED SW (CAS)	IQT	CAS161A	
00108694	RECEIVE INTERFACE UNIT	IQT	UNKNOWN	
00107538	RT-2200 RECEIVER # 1	IQT	RT-2200	D
00107529	RT-2200 RECEIVER # 2	IQT	RT-2200	D
00108688	AUDIO P/P LANDLINE MODEM	IQT	UNKNOWN	
00107512	CODE ACTIVATED SW	IQT	CAS-81A	
00109260	ESMS CTRL, SLAVE	IQT	RIF161616D	
00107514	ORDERWIRE UNIT	IQT	MDS-3017	
00107515	TIME DIVISION MUX (ISCS TDM)	IQT	MX-2000	
00107516	TX UPS	IQT	GTX2000-RT-120	
00107517	UHF TRANSCEIVER (ISCS)	IQT	LEDR 400S	D
00107527	RT-2200 HF Data - Exciter # 2	IQT	RT-2200	D
00113421	PA-2200A LPA Amplifier # 2	IQT	PA-2200A	
00113367	PS-2220A - Power Supply # 2	IQT	PS-2220A	
00107542	RT-2200 HF Voice - Exciter # 1	IQT	RT-2200	D
00113417	PA-2200A LPA Amplifier # 1	IQT	PA-2200A	A
00113364	PS-2220A - Power Supply # 1	IQT	PS-2220A	A
00107523	MX-512L LINK MONITOR	IQT	MX-512L	D
00109181	PROCESSOR CARD	IQT	35110-843-0037	

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Hardware SC	Hardware Name	Site	Product	DMC
00107524	HF RECEIVER (LINK MONITOR)	IQT	TMR-5090	
00109183	POWER SUPPLY	IQT	700139-705-002	
00109184	CPU BOARD	IQT	700137-536-001	
00109185	DSP BOARD	IQT	700084-536-001	
00109186	SYN BOARD	IQT	700109-536-001	
00109187	REC BOARD	IQT	700108-536-001	
00107525	RF SWITCH MATRIX	IQT	RFS-5202/6X6	
00107520	DATA TERMINAL SET (DTS)	IQT	MX-512PV (34000-811-830)	D
00109170	NTDS I/O CARD	IQT	20183ASSY34109	
00107226	CODE ACTIVATED SW	IVK	CAS-81A	
00109252	ESMS CTRL, MASTER	IVK	RIF161616D	
00107229	TIME DIVISION MUX (ISCS TDM)	IVK	MX-2000	
00107230	TRANSCEIVER	IVK	LEDR 400S	D
00113398	RTIU	IVK	RTIU-292	
00107232	LINK MONITOR	IVK	MX-512L	D
00107233	DATA TERMINAL SET	IVK	MX-512PV	D
00107234	TRANSCEIVER	IVK	LEDR 400S	D
00107236	TIME DIVISION MUX (ISCS TDM)	IVK	MX-2000	
00107237	TIME DIVISION MUX (RLCS TDM)	IVK	MX-2000	
00109251	ESMS CTRL, MASTER	IVK	RIF161616D	
00107239	CODE ACTIVATED SW	IVK	CAS161A	
00107232	LINK MONITOR	IVK	MX-512L	D
00107248	HF RECEIVER (LINK MONITOR)	IVK	TMR-5090	
00107249	RF SWITCH MATRIX	IVK	RFS-5202/6X6	
00107250	TX UPS	IVK	POWERSURE PSI	
00107532	RT-2200 RECEIVER # 1	IVK	RT-2200	D
00107536	RT-2200 RECEIVER # 2	IVK	RT-2200	D
00107540	RT-2200 Voice Exciter # 1	IVK	RT-2000	
00107545	RT-2200 Data Exciter # 2	IVK	RT-2000	
00107701	PROCESSOR CARD	IVK	35110-843-0037	
00107702	LMS/AM CARD	IVK	34176-502	
00107703	PROCESSOR CARD	IVK	MX-512PV	D
00107704	NTDS I/O CARD	IVK	20183ASSY34109	
00107705	MODEM SPLITTER (L/L Modem)	IVK	Black Box – 3 Port RS-232	
00107706	MODEM RACK V.32	IVK	RMO-32X	
00107707	POWER SUPPLY MODULE	IVK	P1PZ11767	
00107708	LINK MONITOR MODEM	IVK	34336	
00107709	RCMS MODEM	IVK	34336	

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Hardware SC	Hardware Name	Site	Product	DMC
00107710	DTS MODEM	IVK	34336	
00107765	POWER SUPPLY	IVK	700139-705-002	
00107766	CPU BOARD	IVK	700137-536-001	
00107767	DSP BOARD	IVK	700084-536-001	
00107768	SYN BOARD	IVK	700109-536-001	
00107769	REC BOARD	IVK	700108-536-001	
00113342	TRANSCEIVER UHF RADIO	IVK	RT-721S-2	D
00113350	PS-2220A - Power Supply # 1	IVK	PS-2220A	A
00107582	PS-2220A - Power Supply # 2	IVK	PS-2220A	A
00107571	PA-2200A LPA Amplifier # 1	IVK	PA-2200A	A
00107354	PA-2200A LPA Amplifier # 2	IVK	PA-2200A	A
00107467	CODE ACTIVATED SW	RST	CAS-81A	
00109258	ESMS CTRL, MASTER	RST	RIF161616D	
00107470	TIME DIVISION MUX (ISCS TDM)	RST	MX-2000	
00113399	RTIU	RST	RTIU-292	A
00107472	LINK MONITOR	RST	MX-512L	D
00107501	DATA TERMINAL SET	RST	MX-512PV	D
00107474	TRANSCEIVER	RST	LEDR 400S	D
00107475	POWER SUPPLY MODULE	RST	P1PZ11767	
00107476	LINK MONITOR MODEM	RST	34336	
00107477	RCMS MODEM	RST	34336	
00107478	DTS MODEM	RST	34336	
00107479	TIME DIVISION MUX (RLCS TDM)	RST	MX-2000	
00107480	TIME DIVISION MUX (ISCS TDM)	RST	MX-2000	
00109257	ESMS CTRL, MASTER	RST	RIF161616D	
00107482	CODE ACTIVATED SW	RST	CAS161A	
00107497	TX UPS	RST	POWERSURE PSI	
00107498	TRANSCEIVER	RST	LEDR 400S	D
00107501	DATA TERMINAL SET	RST	MX-512PV	D
00107504	MX-512L LINK MONITOR	RST	MX-512L	D
00107505	HF RECEIVER (LINK MONITOR)	RST	TMR-5090	
00107506	RF SWITCH MATRIX	RST	RFS-5202/6X6	
00107534	RT-2200 RECEIVER # 1	RST	RT-2200	D
00108988	PROCESSOR CARD	RST	35110-843-0037	
00108989	LMS/AM CARD	RST	34176-502	
00107616	PROCESSOR CARD	RST	35110-843-0037	
00109119	NTDS I/O CARD	RST	20183ASSY34109	
00109108	MODEM RACK V.32	RST	RMO-32X	

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Hardware SC	Hardware Name	Site	Product	DMC
00109130	PROCESSOR CARD	RST	35110-843-0037	
00109131	LMS/AM CARD	RST	34176-502	
00109208	POWER SUPPLY	RST	700139-705-002	
00109209	CPU BOARD	RST	700137-536-001	
00109210	SYN BOARD	RST	700084-536-001	
00109211	DSP BOARD	RST	700109-536-001	
00109212	REC BOARD	RST	700108-536-001	
00110640	L / L MODEM	RST	UNKNOWN	
00113347	A/B SWITCH	RST	Model 4428	
00113355	RT-2200 RECEIVER # 2	RST	RT-2200	D
00113357	RT-2200 Exciter # 1	RST	RT-2200	
00113358	RT-2200 Exciter # 2	RST	RT-2200	D
00113368	PS-2220A - Power Supply # 1	RST	PS-2220A	A
00113369	PS-2220A - Power Supply # 2	RST	PS-2220	A
00113365	PA-2200A LPA Amplifier # 1	RST	PA-2200A	A
00113419	PA-2200A LPA Amplifier # 2	RST	PA-2200A	A
00113397	RTIU	SHW	RTIU-292	A
00107267	LINK MONITOR	SHW	MX-512L	D
00107271	PROCESSOR CARD	SHW	35110-843-0037	
00107272	LMS/AM CARD	SHW	34176-502	
00107273	TRANSCEIVER	SHW	LEDR 400S	D
00107274	MODEM SPLITTER	SHW	UNKNOWN	
00107275	MODEM RACK V.32	SHW	RMO-32X	
00107276	POWER SUPPLY MODULE	SHW	P1PZ11767	
00107281	TIME DIVISION MUX (ISCS TDM)	SHW	MX-2000	
00107282	TIME DIVISION MUX (RLCS TDM)	SHW	MX-2000	
00109256	ESMS CTRL, MASTER	TFN	RIF161616D	
00107284	CODE ACTIVATED SW	SHW	CAS161A	
00107368	DATA TERMINAL SET (DTS)	SHW	MX-512PV (34000-811-830)	D
00107369	PROCESSOR CARD	SHW	35110-843-0037	
00107370	NTDS I/O CARD	SHW	20183ASSY34109	
00107559	RT-2200 RECEIVER # 2	SHW	RT-2200	D
00113338	VHF - UHF RADIO TRANSCEIVER	SHW	RT-721S-2	D
00113356	RT-2200 RECEIVER # 1	SHW	RT-2200	D
00107251	LINK MONITOR	SHW	34300-501-370	
00107252	HF RECEIVER LINK MONITOR	SHW	790026-001-001	
00107253	RF SWITCH MATRIX	SHW	RFS-5202/6X6	
00107261	CODE ACTIVATED SW	SHW	CAS-81A	

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Hardware SC	Hardware Name	Site	Product	DMC
00109255	ESMS CTRL, SLAVE	TFN	RIF161616D	
00107264	TIME DIVISION MUX (ISCS TDM)	SHW	MX-2000	
00107265	TRANSCEIVER	SHW	LEDR 400S	D
00107533	RT-2200 Exciter # 1	SHW	RT-2200	
00107770	PROCESSOR CARD	SHW	35110-843-0037	
00107771	LMS/AM CARD	SHW	34176-502	
00107772	POWER SUPPLY	SHW	700139-705-002	
00107773	CPU BOARD	SHW	700137-536-001	
00107774	DSP BOARD	SHW	700084-536-001	
00107775	SYN BOARD	SHW	700109-536-001	
00107776	RCV BOARD	SHW	700108-536-001	
00113354	RT-2200 Exciter # 2	SHW	RT-2200	D
00107596	PS-2220A - Power Supply # 1	SHW	PS-2220A	A
00143415	PS-2220A - Power Supply # 2	SHW	PS-2220A	A
00113410	PA-2200A LPA Amplifier # 1	SHW	PA-2200A	A
00113418	PA-2200A LPA Amplifier # 2	SHW	PA-2200A	A
00106201	TIME DIVISION MUX (RLCS TDM)	TFN	MX-2000	
00106202	TIME DIVISION MUX (ISCS TDM)	TFN	MX-2000	
00106206	CODE ACTIVATED SW	TFN	CAS161A	
00109249	ESMS CTRL, MASTER	TFN	RIF161616D	
00106208	LINK MONITOR	TFN	MX-512L	D
00106213	MODEM RACK V.32	TFN	RMO-32X	
00106218	RF SWITCH MATRIX	TFN	RFS-5202/6X6	
00106220	DATA TERMINAL SET	TFN	MX-512PV	D
00109250	ESMS CTRL, MASTER	TFN	RIF161616D	
00106230	TIME DIVISION MUX (ISCS TDM)	TFN	MX-2000	
00106232	TX UPS	TFN	GTX2000-RT-120	
00106229	CODE ACTIVATED SW	TFN	CAS-81A	
00106465	MODEM SPLITTER	TFN	UNKNOWN	
00106456	POWER SUPPLY MODULE	TFN	700139-705-002	
00106457	LINK MONITOR MODEM	TFN	34336	
00106458	DTS MODEM	TFN	34336	
00106459	RCMS MODEM	TFN	34336	
00106478	TRANSCEIVER	TFN	LEDR 400S	D
00106479	PROCESSOR CARD	TFN	35110-843-0037	
00106480	LMS/AM CARD	TFN	34176-502	
00106514	TRANSCEIVER	TFN	LMR 400S	
00107247	LINK MONITOR RECEIVER	TFN	MX-512L	D

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Hardware SC	Hardware Name	Site	Product	DMC
00107409	HF RECEIVER	TFN	TMR-5090	
00107526	RT-2200 RECEIVER # 1	TFN	RT-2200	D
00107547	RT-2200 RECEIVER # 2	TFN	RT-2200	D
00107539	RT-2200 Voice RF Exciter # 1	TFN	RT-2200	D
00107541	RT-2200 Data RF Exciter # 2	TFN	RT-2200	D
00113423	PA-2200A LPA Amplifier # 1	TFN	PA-2200A	A
00107599	PA-2200A LPA Amplifier # 2	TFN	PA-2200A	A
00107598	PS-2220A Power supply # 1	TFN	PS-2220A	D
00113353	PS2220A Power supply # 2	TFN	PS-2220A	D
00107638	RTIU	TFN	RTIU-292	A
00107763	LMS/AM CARD	TFN	34176-502	
00107764	PROCESSOR CARD	TFN	35110-843-0037	
00113340	TRANSCEIVER UHF RADIO	TFN	RT-721S-2	D
00113374	A/B SWITCH	TFN	Model 4428	
00113380	TIME DIVISION MUX (RLCS TDM)	TTN	MX-2100 Not in CMDDB yet!	
00107321	TIME DIVISION MUX (ISCS TDM)	TTN	MX-2100 Not in CMDDB yet!	
00107644	CODE ACTIVATED SW	TTN	CAS-161A Not in CMDDB yet!	
00107549	RT-2200 #1 - HF VOICE RECEIVER	TTN	RT-2200 -1 Not in CMDDB yet!	D
00107530	RT-2200 #2 - HF DATA RECEIVER	TTN	RT-2200 -2 Not in CMDDB yet!	D
00113381	A/B SWITCH		Model 4428 Not in CMDDB yet!	
00113334	UHF TRANSCEIVER		RT-721S-2 (270-3148-020) Not in CMDDB yet!	D
00107414	MX-512L LINK MONITOR		MX-512L Not in CMDDB yet!	D
00107413	DATA TERMINAL SET		MX-512PV (34000-811-830) Not in CMDDB	D
00113378	TIME DIVISION MUX (ISCS TDM)	TTN	MX-2100 Not in CMDDB	
00107643	CODE ACTIVATED SW	TTN	CAS-81 Not in CMDDB	
00113377	POWER BAR	TTN	MPSH8-S20 Not in CMDDB	
00107556	RT-2200 - EXCITER #2	TTN	RT-2200 (822-0906-003) Not in CMDDB yet!	D
00107578	PA-2200A - LPA AMPLIFIER #2	TTN	PA-2200A (270-2695-020) Not in CMDDB yet!	A
00107590	PS-2220A - POWER SUPPLY #2	TTN	PS-2220A (270-2695-030) Not in CMDDB yet!	A
00107555	Receiver/Transmitter Radio (3RU)	12 ER	RT-2200 (822-0906-003)	D
00107580	HF Power Amp (6RU)	12 ER	PA-2200 (270-2695-020)	A
00107589	Power Amp Power Supply (4RU)	12 ER	PS-2220 (270-2695-030)	A
	AC Power Bar	12 ER		
	Hardigg Transit Case (14RU)	12 ER	DE2430-02/27/02	
	Patch Panel (ADC Telecom Jackfield Panel) (1RU)	12 ER	JC2-48M	

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Hardware SC	Hardware Name	Site	Product	DMC
00113397	Interface Unit Communication Equipment (2RU)	12 ER	RTU-292	Q
00107415	Link Monitor System (3RU)	12 ER	MX-512L	D
00107268	Processor, Data Link (5RU)	12 ER	MX-512PV (34000-811-830)	D
00148291	Toshiba Laptop	12 ER	Tecra S10 (PTS83C-MN809C)	
	USB Hub	12 ER		
	USB to RS-232 Convertor	12 ER		
	A/B Switch (Blackbox SWL03)	12 ER	SWL03	
	Blank panel (1RU)	12 ER		
	Retractable shelf for Laptop	12 ER		
	Shelf and Terminal Board	12 ER		
	AC Power Bar	12 ER		
	Hardigg Transit Case (14RU)	12 ER	DE2430-02/27/02	
00107550	Receiver/Transmitter Radio (3RU)	12 ER	RT-2200 (822-0906-003)	D
00107583	HF Power Amp (6RU)	12 ER	PA-2200A (270-2695-020)	A
00107565	Power Amp Power Supply (4RU)	12 ER	PS-2220A (270-2695-030)	A
	AC Power Bar	12 ER		
	Hardigg Transit Case (14RU)	12 ER	DE2430-02/27/02	
00107554	Receiver Transmitter Radio (3RU)	12 ER	RT-2200 (822-0906-003)	D
00107567	HF Power Amp (6RU)	12 ER	PA-2200A (270-2695-020)	A
00107588	Power Amp Power Supply (4RU)	12 ER	PS-2220A (270-2695-030)	A
	AC Power Bar	12 ER		
	Hardigg Transit Case (14RU)	12 ER	DE2430-02/27/02	
00113343	UHF TRANSCEIVER RT-721S	12 ER	RT-721S (270-3148-020)	D
	Equipment Shelf	12 ER		
	Blank Panel (1RU)	12 ER		
	Hardigg Transit Case (11RU)	12 ER	DE2425-02/27/02	
00113373	UHF TRANSCEIVER RT-721S	12 ER	RT-721S (270-3148-020)	D
	AFTS Processor (1RU)	12 ER		
	AFTS Interface LAN (3RU)	12 ER		

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Hardware SC	Hardware Name	Site	Product	DMC
	LVT-11 MIDS (7RU)	12 ER		
	Hardigg Transit Case (11RU)	12 ER	040-RACKH-APC002	
00148292	HF antenna (Sloping VEE) includes	12 ER	VD-99-00182-1	A
	RF Transformer and Balancing Network	12 ER		A
00148293	HF antenna (Sloping VEE) includes	12 ER	VD-99-00182-1	A
	RF Transformer and Balancing Network	12 ER		
	Terminating Resistor	12 ER	VC-99-00190-1	
	Terminating Resistor	12 ER	VC-99-00190-1	
	VHF/UHF Antenna (UVU-200)	12 ER	UVU-200	
	Audio card (LMS)	12 ER	34175-502	D
	Power Supply (LMS)	12 ER	95771-115-1205	D
	RF power filter (LMS)	12 ER	95204-100-1012	D
	Processor card (LMS)	12 ER	34054-843-0037	D
	NTDS circuit card (DTS)	12 ER	34100-513 Rev C	D
	RF power filter (DTS)	12 ER	95204-100-1012	D
	Processor card (DTS)	12 ER	35054-833-0033	D
	Power Supply (DTS)	12 ER	95772-033-0202	D
	Cables	12 ER		
	Patch Panel J1 => A/B switch I/O	12 ER		
	Patch Panel P1 => DTS J1, J3	12 ER		
	DTS J4 => KG40 J3	12 ER		
	DTS J6 => KG40 J4	12 ER		
	DTS J5 => Laptop COM1	12 ER		
	KG-40 J1 => ADSI INPUT	12 ER		
	KG-40 J2 => ADSI OUTPUT	12 ER		
	A/B Switch B => AN/GRC-171 J22	12 ER		
00107552	Receiver/Transmitter Radio (3RU)	42 RDR	RT-2200 (822-0906-003)	D
00107573	HF Power Amp (6RU)	42 RDR	PA-2200A (270-2695-020)	A
00107586	Power Amp Power Supply (4RU)	42 RDR	PS-2220A (270-2695-030)	A
	AC Power Bar	42 RDR		

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Hardware SC	Hardware Name	Site	Product	DMC
	Hardigg Transit Case (14RU)	42 RDR	040-RACKH-APC005	
	Patch Panel (ADC Telecom Jackfield Panel) (1RU)	42 RDR	PMAJ1	
00107637	Interface Unit Communication Equipment (2RU)	42 RDR	RTU-292	Q
00148296	Toshiba Laptop	42 RDR	Tecra S10 (PTSB3C-MN809C)	
	USB Hub	42 RDR		
	USB to RS-232 Convertor	42 RDR		
	A/B Switch (Blackbox SWL03)	42 RDR	SWL03	
	Blank panel (1RU)	42 RDR		
	Retractable shelf for Laptop	42 RDR		
	Shelf and Terminal Board	42 RDR		
	AC Power Bar	42 RDR		
	Hardigg Transit Case (14RU)	42 RDR	040-RACKH-APC005	
00107553	Receiver/Transmitter Radio (3RU)	42 RDR	RT-2200 (822-0906-003)	D
00107587	HF Power Amp (6RU)	42 RDR	PA-2200A (270-2695-020)	A
00107564	Power Amp Power Supply (4RU)	42 RDR	PS-2220A (270-2695-030)	A
	AC Power Bar	42 RDR		
	Hardigg Transit Case (14RU)	42 RDR	040-RACKH-APC005	
	Drawer (3RU)	42 RDR		
	Drawer (3RU)	42 RDR		
	Hardigg Transit Case (9RU)	42 RDR	040-RACKH-APC004	
00107551	Receiver Transmitter Radio (3RU)	42 RDR	RT-2200 (822-0906-003)	D
00107569	HF Power Amp (6RU)	42 RDR	PA-2200A (270-2695-020)	A
00107585	Power Amp Power Supply (4RU)	42 RDR	PS-2220A (270-2695-030)	A
	AC Power Bar	42 RDR		
	Hardigg Transit Case (14RU)	42 RDR	040-RACKH-APC005	
00113349	UHF TRANSCEIVER RT-721S	42 RDR	RT-721S (270-3148-020)	D
	Equipment Shelf	42 RDR	RMS1924C	
	Blank Panel (1RU)	42 RDR		

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Hardware SC	Hardware Name	Site	Product	DMC
00113339	UHF TRANSCEIVER RT-721S	42 RDR	RT-721S (270-3148-020)	D
	Equipment Shelf	42 RDR	RMS1924C	
	Hardigg Transit Case (11RU)	42 RDR	040-RACKH-APC002	
	AFTS Processor (1RU)	42 RDR		
	AFTS Interface LAN (3RU)	42 RDR		
	AFTS KVM/Ethernet/USB	42 RDR		
	GPS Rx	42 RDR		
	RS232 to RS422 Converter	42 RDR		
	2000 VA UPS	42 RDR		
	LVT-11 MIDS (7RU)	42 RDR		
	Hardigg Transit Case (11RU)	42 RDR	040-RACKH-APC002	
	Logger	42 RDR		
	HF antenna (Sloping VEE) includes	42 RDR	VD-99-00182-1	A
	RF Transformer and Balancing Network	42 RDR		A
	HF antenna (Sloping VEE) includes	42 RDR	VD-99-00182-1	A
	RF Transformer and Balancing Network	42 RDR		
	Terminating Resistor	42 RDR	VC-99-00190-1	
	Terminating Resistor	42 RDR	VC-99-00190-1	
	VHF/UHF Antenna (UVU-200)	42 RDR	UVU-200	
	Audio card (LMS)	42 RDR	34175-502	D
	Power Supply (LMS)	42 RDR	95771-115-1205	D
	RF power filter (LMS)	42 RDR	95204-100-1012	D
	Processor card (LMS)	42 RDR	34054-843-0037	D
	NTDS circuit card (DTS)	42 RDR	34100-513 Rev C	D
	RF power filter (DTS)	42 RDR	95204-100-1012	D
	Processor card (DTS)	42 RDR	35054-833-0033	D
	Power Supply (DTS)	42 RDR	95772-033-0202	D
	Cables	42 RDR		
	Patch Panel J1 => A/B switch I/O	42 RDR		

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Hardware SC	Hardware Name	Site	Product	DMC
	Patch Panel P1 => DTS J1, J3	42 RDR		
	DTS J4 => KG40 J3	42 RDR		
	DTS J6 => KG40 J4	42 RDR		
	DTS J5 => Laptop COM1	42 RDR		
	KG-40 J1 => ADSI INPUT	42 RDR		
	KG-40 J2 => ADSI OUTPUT	42 RDR		
	A/B Switch B => AN/GRC-171 J22	42 RDR		

BLOS AND TCR LINK 11 SYSTEMS – ISSC SOW
ANTENNA SYSTEMS – VISUAL INSPECTION GUIDELINES

1. The purpose of First Line Level maintenance is to assist the DND Antenna LCMM in providing adequate antenna maintenance for the BLOS and TCR Link 11 Systems.
2. First Line Level maintenance includes but, subject to direction by the TA, not limited to the following tasks:
 - a. visual inspection of the antenna form/geometry for appropriate symmetry;
 - b. visual inspection of guys for signs of weather and stress deterioration;
 - c. visual inspection, using binoculars or transit, of insulators for cracks and chips;
 - d. visual inspection of antenna elements for signs of rust, kinks and sag;
 - e. visual inspection of support structures for good weather covering;
 - f. ensure proper safety visual indicators;
 - g. visual inspection of plumb;
 - h. visual inspection of base and anchor positions of the supporting structure;
 - i. visual inspection of feed lines for broken insulators, kinks, and rust;
 - j. visual inspection of balun, coaxial transmission line and interface connectors for dirt, rodent damage and arcing or burn marks;
 - k. visual inspection of ground screen for good flat form, appropriate attachments to the antenna support structures and electrically sound connections to the perimeter ground stakes;
 - l. Report the need for the removal of all brush and vegetation, to a distance of five feet beyond the footprint of any antenna, that may interfere with the operation of, or provide a safety risk to, that antenna or antenna maintenance personnel; to at the TA/LCMM for all GES locations;
 - m. Note and report any repair required to rectify any deficiency noted during visual inspections above, to TA/LCMM;
 - n. Note and report burned out lamps to TA/LCMM; and
 - o. repair/splice coaxial antenna feeders inside the shelters only within the resource limitations of the affected maintenance unit.
3. The tools required would be a pair of binoculars, digital camera to provide pictures to the PMO and Antenna LCMM, and electronic technician tool kit.

BLOS AND TCR LINK 11 SYSTEMS – ISSC SOW
BLOS SOFTWARE RESTRICTION

1. Due to Intellectual property ownership on BLOS software by Thales, any software upgrades and/or changes the contractor is tasked to complete must be sub-contracted to Thales to develop.
2. Contractor will submit all quotes related to Software changes including Thales sub-contracted costs to the Life-Cycle Material Manager/Technical Authority (LCMM/TA)
3. Contactor is required to document all Changes to Source Code – and ensure all documentation is current.
4. Contractor will update all amendments to CFTOs and Publications and ensure all documentation is current.
5. Contractor will provide soft and hard copies of documentation completed within 60 days of completion of work.

BLOS AND TCR LINK 11 SYSTEMS – ISSC SOW
FSR NON-EXCLUSIVE LIST OF DUTIES

1. Conduct comprehensive daily inspections of all BLOS GES sites to ensure readiness;
2. Monitor, track and analyse BLOS GES antenna systems;
3. Report any failures to the Canadian Air Defense Sector (CADS) maintenance helpdesk and request that maintenance tickets be opened; followed-up and closed as necessary;
4. Provide support to exercises (duty day) as required;
5. Provide operator support (duty day) as required;
6. Assist maintenance technicians with fault finding of the BLOS system and conduct fault finding solo if necessary;
7. Assist link Operators with troubleshooting “failed link” issues;
8. Prepare and distribute a **weekly** report on the overall status of the BLOS GES system to the LCMM, 22 WingTISS and others as required;
9. Record, compile and report **quarterly** to the Life Cycle Materials Manager (LCMM) and others as required, a compilation of facts surrounding failed links;
10. Contribute to configuration management of the BLOS system by ensuring any and **ALL** changes to the BLOS system are accurately documented;
11. Conduct or assist CADS PM/CMs as required;
12. Assist the Intergraded Logistics Support (ILS) contractor and/or LCMM with conducting the Physical Control Audit (PCA) if requested; and
13. Be receptive to other duties/tasks that may be assigned from time to time by the LCMM and/or CADS operations personnel.

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List of BLOS/TDL Critical Spares: (there must be a minimum of one (1) serviceable spare for each item listed below)

- **Data Terminal Set (DTS)** – MX-512PV DTS, complete with NTDS Card and Processor Card
- **Radio Telephone Interface Unit (RTIU)** – RTU-292
- **Link Monitor (LMon)** – MX-512L, complete with Audio Board and Processor Card
- **Multiplexer** – MX/2100, complete with all cards KPS.8, KCL, 2, KML.1, KVC E&M, KVC.FXO, KVC.FXS
- **Data Modem** – 34336 Modem
- **Remote Interface** – RIF161616
- **Computer Activated Switch** – CAS-161A
- **Computer Activated Switch** – CAS-81
- **UHF Transceiver** – LEDR-400S
- **HF Receiver/Transmitter** – RT-2200
- **HF Power Amplifier** – PA-2220
- **Power Supply** (*for PA-2220*) – PS-2220
- **UHF Transceiver** – 721S-2
- **A-B Switch**
- **Inter-Site Communications System (ISCS) Antenna** – SRL-360
- **UHF Antenna** – AS-390
- **Uninterruptible Power Supply (UPS) Battery Cartridge** – SU5000RT4UHV UPS Battery Cartridge Pt # RBC5-192
- **Uninterruptible Power Supply (UPS) Battery Pack** – SU5000RT3U Battery Pack Pt # BP240V10RT3U

LOGISTICS STATEMENT OF WORK

For

Repair and Overhaul Contracts

Including

In and Out of Country Repair

Major Equipment

Accountable Advance Spares

Issued on authority of the Assistant Deputy Minister (Material) (ADM (Mat))

OPI: DMPP 9-6 17/01/2019

Version: 02

RECORD OF CHANGES

DATE OF CHANGE	CHAPTER
17 Jan 19	Entire document updated

FOREWORD

The purpose of this Statement of Work (SOW) is to provide special instructions and procedures required for all in and out of country Contractors engaged in the Repair and Overhaul (including refit) on behalf of the Department of National Defence (DND).

This LOG SOW is to be read in conjunction with the A-LM-184-001/JS-001 for detailed information. There is mandatory information in this LOG SOW and must not be removed. The information is important to assist the contractor when managing government owned materiel.

This LOG SOW is to be used primarily as a guide for R&O contracts. It is important that this LOG SOW be utilised with minimal changes for reasons of procurement standardization and departmental accountability. Changes are permissible where there is a need to clarify specific requirements that would apply to equipment/weapon systems undergoing procurement and contract action.

This Logistic Statement of Work (LOG SOW) is distributed on the authority of the Assistant Deputy Minister (Material) (ADM (Mat)). It will be distributed, as required, internally to ADM (Mat) staff engaged in creating Repair and Overhaul (R&O) Contracts and Procurement Instruments (PI) and those who manage Repair and Overhaul Contracts.

This is a common LOG SOW which will entail contract conditions for Repair and Overhaul contracts for:

- In and out of country: For step by step instruction on in and out of country repair process refer to Annex B in the A-LM-184-001/JS-001. This model will describe the roles and responsibilities in the end to end repair process.
- Major Equipment: For complete instructions on receipt of Major Equipment, refer to Chapter 2 in the A-LM-184-001/JS-001.
- Accountable Advance Spares For complete instruction on AAS, refer to Chapter 8.2.7 in the A-LM-184-001/JS-001.

It is important to understand the system of record (DRMIS) being used in DND and the various account structures in place. All of this information is located in Chapter 1.1 of the A-LM-184-001/JS-001.

The following Chapters will be identified as mandatory or as applicable.

List of Acronyms and Abbreviations

Abbreviation	Description
CA	Contracting Authority
CAF	Canadian Armed Forces
CFB	Canadian Forces Base
DND	Department of National Defence
NDQAR	National Defence Quality Assurance Representative
GOCC	Government Owned Materiel in Contractor Custody
GOM	Government Owned Materiel
OCRS	Out of Country Repair Section
PA	Procurement Authority
R&O	Repair & Overhaul
SOW	Statement of Work
TA	Technical Authority

Figure A-1 List of Acronyms and Abbreviations

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1.0 OVERVIEW OF PUBLICATION

1.1 SYSTEM OF RECORD (Mandatory)

DRMIS: [Defence Resource Management Information System \(DRMIS\)](#) provides total asset visibility of all Canadian Forces (CF) materiel, whether it is in use, in stock, or on a repair line. The contractors' responsibilities related to management of the accounts in DRMIS are explained and outlined below. Contractors having access to DRMIS must process required transactions as instructed in this publication.

Contractors requiring access to DRMIS must obtain a PKI (Public Key Infrastructure) card in accordance with the recently implemented Two-Factor Authentication.

Refer to Chapter 1.1 of A-LM-184-001/JS-001 for further information on the System of Record.

1.2 SUPPLY ACCOUNTS (Mandatory)

RMA (Repairable Material Account): is an account that must be allocated to the contractor to hold the authorized material for repair that is approved on the contract.

CRPA (Contractor Repair Parts Account): [DRMIS](#) provisioning account (_P) with a Serviceable and an Unserviceable storage location.

SLOC (Storage Locations): are used to manage and warehouse National Spares.

Refer to Chapter 1.2 of A-LM-184-001/JS-001 for further information on Supply Accounts.

1.3 SPARES (Mandatory)

CIS (Contract Issue Spares): CIS are government owned materiel issued to R&O contractor facilities for incorporation into DND equipment undergoing repair, overhaul and modification.

GFOS (Government Furnished Overhaul Spares): GFOS are non-catalogued spare parts that are salvaged by the Contractor, on PA/NDQAR authority, from DND materiel undergoing repair, overhaul, re-life or modification

AAS (Accountable Advance Spares): are purchased by the contractor using DND funds, in order to support DND equipment on the repair line.

GFE/GFI:

- **Government Furnished Equipment (GFE)** is government owned equipment provided by DND to a contractor, on a loan agreement, to be used during the contract period and returned in essentially the same condition (subject to fair wear & tear) at the end of the contract.

- **Government Furnished Information (GFI)** is any information that DND will provide, on a loan agreement, to the contractor to enable contract fulfillment. Refer to Chapter 1.3 of A-LM-184-001/JS-001 for further information on Spares.

1.4 EXTENT OF WORK/TYPES OF EQUIPMENT (Mandatory)

The Contractor must repair or overhaul only those items for which they have received authorization. This authority is in accordance with the Selection Notice and Priority Summary (SNAPS). Stores Removal Request (SRR), an approved Repairable Materiel Request (RMR) for a Repairable Materiel Account or Task Authorization/DND 626.

Different types of DND equipment to be repaired are categorized as either :

- a) Selected Equipment
- b) Non Selected Equipment
- c) Major Equipment
- d) Repair of sub-components and accessories

Refer to Chapter 1.4 of A-LM-184-001/JS-001 for further information on the different types of DND Equipment that are authorized for repair and the category types.

1.5 REPAIR & OVERHAUL (IN AND OUT OF COUNTRY) PROCESS (Mandatory)

Refer to Chapter 1.5 of A-LM-184-001/JS-001 for the process flowchart.

2.0 RECEIPTS (Mandatory)

The Contractor is responsible for the receipt, identification, inspection and distribution of all incoming materiel, as well as the processing of receipt documentation.

Refer to Ch. 2.0 of A-LM 184 for complete instruction on how to process receipts.

2.1 SELECTION NOTICE OBSERVATION MESSAGE (SNOM) (Mandatory)

Contractors must use a SNOM to report any or all observations to the Supply Manager or the DND Contract Manager for in and out of country contracts.

Refer to Chapter 2.1 of A-LM-184-001/JS-001 for further information on SNOMs.

2.2 DISCREPANCIES IN SHIPMENTS (Mandatory)

The Contractor must contact their supporting NDQAR/OCRS to report and action discrepancies in shipments.

The Contractor must act in accordance with Chapter 2.1 of A-LM-184-001/JS-001.

2.3 INITIAL INSPECTION OF REPAIRABLE MATERIAL (Mandatory)

The Contractor may be granted authority to strip the equipment to assess its repair or overhaul potential and to estimate costs.

Refer to Chapter 2.3 of A-LM-184-001/JS-001 for further instruction on inspection of repairable material.

2.4 HAZARDOUS MATERIEL AND CONTROLLED GOODS (Mandatory)

Due diligence must be exercised when carrying out duties and responsibilities associated with hazardous materiel and controlled goods.

Refer to Chapter 2.4 of A-LM-184-001/JS-001 for further information on HAZMAT and controlled goods.

3.0 WORK CONTROL (Mandatory)

The Contractor must ensure that the repair of all DND equipment is controlled by an internal serial numbered work order in accordance with Chapter 3.0 of A-LM-184-001/JS-001.

3.1 COMPLETION OF WORK (Mandatory)

On completion of Repair or Overhaul, the Contractor must transfer the material from unserviceable Storage Location or Work Order to the serviceable Storage Location.

Refer to Chapter 3.1 of A-LM-184-001/JS-001 for further information on completion of work.

3.2 STOP REPAIR ACTION (Mandatory)

Upon receipt of an updated SNAPS indicating Stop Repair Action, the Contractor must action the Repairable as per the Instructions supplied.

The Contractor must comply immediately with all stop repair instructions.

Refer to Chapter 3.2 of A-LM-184-001/JS-001 for detailed procedures.

4.0 SELECTION NOTICE AND PRIORITY SUMMARY (SNAPS) (Not Applicable)

The SNAPS is a report found in the DRMIS BI Portal application and is designed to show all MMRs which are selected for repair to that RMA/SLOC, the Maximum Repair Cost (MRC) and the 24-month forecast. The information on the SNAPS plus the R&O contract provides the Contractor with the authority to repair.

Refer to Chapter 4 of A-LM-184-001/JS-001 for further information on Annual Repair Forecasts.

5.0 COST CONTROL (Mandatory)

The Contractor must monitor the cost of each repair to ensure that total repair costs remain within approved limits. While undergoing repair, total cost must be monitored to determine whether or not to continue the repair.

Refer to Chapter 5.0 of A-LM-184-001/JS-001 for more information on cost control.

5.1 DEFINITIONS (As Applicable)

Refer to Chapter 5.1 of A-LM-184-001/JS-001 for definitions pertaining to cost control.

6.0 COSTING RECORDS (Mandatory)

The Contractor must prepare forms and maintain records in accordance with Chapter 6.0 of A-LM-184-001/JS-001.

6.1 INVOICE/CLAIMS FOR PAYMENT (ACCOUNTABLE ADVANCE SPARES) (Not Applicable)

The Contractor must submit monthly invoices for AAS, but only after receipt and acceptance of the materiel and inspection in accordance with the CGCS quality assurance code (QAC) in the event that a certificate of conformance or test data is required.

Refer to Chapter 6.1 of A-LM-184-001/JS-001 for further information on invoices for AAS

7.0 ENGINEERING & MAINTENANCE SERVICES (Mandatory)

Refer to Chapter 7.0 of A-LM-184-001/JS-001 for more information on engineering and maintenance services.

7.1 DND 626 TASK AUTHORIZATION (Mandatory)

Refer to Chapter 7.1 of A-LM-184-001/JS-001 for further information on DND 626 Task Authorizations.

7.2 MOBILE REPAIR PARTY (MRP) (As Applicable)

A Mobile Repair Party is an individual or group of individuals who perform repair work away from a Contractor's plant and regional area.

Refer to Chapter 7.2 of A-LM-184-001/JS-001 for more information on MRP.

7.3 EQUIPMENT TURN AROUND TIME (TAT) (Mandatory)

Unless specifically identified within the contract, equipment turn-around-time (TAT) to a serviceable state must be achieved in 90 calendar days.

Refer to Chapter 7.3 of A-LM-184-001/JS-001 for more information on TAT.

7.4 PRIORITY REPAIR REQUEST (PRR) (Mandatory)

On receipt of a PRR, the contractor is to determine whether DND's required delivery date (RDD) can be met. If not, the contractor is required to provide to the appropriate Supply Manager and the consignee designated on the PRR format with a realistic estimated delivery date (EDD).

Refer to Chapter 7.4 of A-LM-184-001/JS-001 for more information on PRR.

7.5 SPECIAL INVESTIGATIONS & TECHNICAL STUDIES (SITs) (As Applicable)

When authorized by the Procurement Authority via a Task Authorization/DND 626, the Contractor must open a work order to undertake special investigation and technical studies and must provide relevant data to these investigations as and when required.

Refer to Chapter 7.5 of A-LM-184-001/JS-001 for more information.

7.6 TECHNICAL INVESTIGATIONS & ENGINEERING STUDIES (TIES) (As Applicable)

When authorized by the PA, via a Task Authorization/DND 626, the Contractor must undertake technical investigations and engineering studies.

Refer to Chapter 7.6 of A-LM-184-001/JS-001 for more information.

7.7 TERMINATION OF CONTRACT (Mandatory)

When an R&O contract is not extended, or cancelled by mutual consent or terminated for convenience or by default, the Procurement Authority must form a Contract close-out planning team to provide the contractor with instruction for the completion of the work already on the repair line and to provide instruction and to coordinate the transfer of DND-owned equipment.

Refer to Chapter 7.7 of A-LM-184-001/JS-001.

8.0 SUPPLY SUPPORT/SUSTAINMENT SUPPORT (Mandatory)

8.1 TRANSACTION DOCUMENTATION (Mandatory)

The DND 2227 is the supply document used by all contractors when performing supply related transactions. Contractors can use their own templates, provided all of the same information appears on their templates.

Refer to Chapter 8.1 of A-LM-184-001/JS-001 for more information.

8.2 CONTRACTOR SUPPLY ACCOUNTING (Mandatory)

Prime Contractors will be provided an RMA and CRPA for holding spare parts for repair and overhaul of DND materiel. Total National holdings of government owned materiel are not to be held on an RMA or CRPA.

Refer to Ch. 8.2 of A-LM-184-001/JS-001 for more information.

8.3 MANAGEMENT OF GOVERNMENT OWNED SPARES (As Applicable)

All government owned materiel (CIS, AAS, GFOS) must be brought on charge to ensure total asset visibility.

Refer to Chapter 8.3 of A-LM-184-001/JS-001 for more information.

8.4 SPARES REVIEW (As Applicable)

In conjunction with the two year stocktaking schedule, the Contractor must carry out a review of CIS, AAS (must be done on a yearly basis), and GFOS. This will ensure all of the material is brought on charge on completion of the stocktaking.

Refer to Chapter 8.4 of A-LM-184-001/JS-001 for more information.

8.5 STOCKTAKING (Mandatory)

The PA, working with the supporting NDQAR must initiate and have the contractor carry out a one hundred per cent (100%) manual stocktaking of in country RMAs, and CRPAs, as well as, CIS, GFOS, AAS and Loan Accounts must be counted at a minimum of once every two years or as indicated by Cycle Count Indicator.

Refer to Chapter 8.5 of the A-LM-184-001/JS-001 for more information and the processes for Stocktaking.

8.6 EMBODIMENT FEES (As Applicable)

Embodiment fees must be negotiated by PSPC and must be charged against the specific R&O work.

Refer to Chapter 8.6 of A-LM-184-001/JS-001 for further explanation and detail.

8.7 WAREHOUSING (Mandatory)

The Contractor must be responsible for the appropriate warehousing and storage of government owned materiel

Refer to Chapter 8.7 of A-LM-184-001/JS-001 for further information on Warehousing.

8.8 LOSS OR DAMAGE TO DND MATERIEL (Mandatory)

The Contractor must report to the supporting NDQAR/OCRS all instances of loss or damage to government owned materiel in his custody within two (2) working days of confirmation of its discovery.

Refer to Chapter 8.8 of A-LM-184-001/JS-001 for further explanation and detail.

8.9 SCRAP - CUSTODY & DISPOSAL (Mandatory)

The Contractor must safeguard, control and dispose of scrap material.

Refer to Chapter 8.9 of A-LM-184-001/JS-001 for further explanation and detail on scrap materiel.

8.10 PACKAGING (Mandatory)

Specific packaging instructions must be adhered to by the Contractor in order to assure maximum life, utility and performance of materiel.

Refer to Chapter 8.10 of A-LM-184-001/JS-001 for further explanation and detail on packaging.

8.11 REUSABLE CONTAINERS (As Applicable)

Individual reusable containers must be used and provided as directed in the contract.

Refer to Chapter 8.11 of the A-LM-184-001/JS-001 for more information on reusable containers.

8.12 TRANSPORTATION (Mandatory)

If Contractors are required to return equipment back to DND, they must follow the terms and conditions of the contract in place.

Refer to Chapter 8.12 of the A-LM-184-001/JS-001 for more information pertaining to transportation.

9.0 WARRANTY CONSIDERATION (Mandatory)

Upon receipt of equipment or materiel returned by DND for warranty consideration, the Contractor must follow the procedures as outlined in Chapter 9.0 of A-LM-184-001/JS-001.

9.1 WARRANTY REVIEW BOARD (As Applicable)

Each time an item is received by the Contractor for warranty consideration and there is a dispute as to responsibility, a WRB must be established.

Refer to Chapter 9.1 of A-LM-184-001/JS-001 for more detail on the Warranty Review Board.

10.0 CONTRACTOR USE OF DND EQUIPMENT AND PUBLICATIONS (As Applicable)

Written consent must be provided by DND for contractor use of DND publications, tools, test-equipment or jigs and fixtures for commercial work.

Refer to Chapter 10.0 of A-LM-184-001/JS-001 for more information.

11.0 PUBLICATIONS (As Applicable)

The Contractor must document requirements for publications and submit to the PA. The Contractor must develop procedures to control all DND publications in their possession and be responsible for amending all DND publications in his custody. The record of amendments must be maintained as indicated in the applicable area of each publication.

Refer to Chapter 11.0 of A-LM-184-001/JS-001 for more information.

11.1 AVAILABILITY OF PUBLICATIONS (As Applicable)

The Contractor must provide the PA with a list of all DND publications obtained from the Contract Authority prior to signing the contract.

Refer to Chapter 11.1 of A-LM-184-001/JS-001 for more information.

11.2 DISPOSAL OF PUBLICATIONS (As Applicable)

When a publication is no longer needed, the Contractor must request disposal instructions and take action as directed.

Refer to Chapter 11.2 of A-LM-184-001/JS-001 for more information.

12.0 OFFICE SERVICES (As Applicable)

The Contractor must perform the secretarial and clerical work necessary to carry out the terms of this contract with respect to the preparation, filing and transmission of all forms, reports and correspondence, relating to the movement, accounting, storage, repair, overhaul, quality control and investigation of materiel covered by this contract.

Refer to Chapter 12.0 of A-LM-184-001/JS-001 for further explanation.

13.0 MINUTES OF MEETINGS (Mandatory)

When meeting minutes are required, the Contractor is responsible for taking them and preparing them in the approved format.

Refer to Chapter 13.0 of A-LM-184-001/JS-001 for further explanation.

14.0 PLANT SHUTDOWN/VACATION PERIOD (Mandatory)

During plant shutdown and/or vacation periods, the Contractor must ensure that adequate facilities/personnel are available to ensure the satisfaction of High Priority Requirements (HPRs).

Refer to Chapter 14.0 of A-LM-184-001/JS-001 for further explanation.

15.0 REPORTS (Mandatory)

15.1 MATERIEL MANAGEMENT REPORTS (Mandatory)

Reports are available to the Contractor in DRMIS or from their supporting NDQAR.

Refer to Chapter 15.1 of A-LM-184-001/JS-001 for a complete list of reports available to contractors.

15.2 MRP PROGRESS REPORTS (Mandatory)

This report must be submitted on a monthly basis, as per Chapter 15.2 of A-LM-184-001/JS-001.

15.3 TECHNICAL INVESTIGATION AND ENGINEERING STUDIES (TIES) REPORTS (Mandatory)

TIES may only be authorized by the Procurement Authority. The Contractor must complete the report as stipulated under a DND 626.

Refer to Chapter 15.3 of A-LM-184-001/JS-001 for more information.

15.4 ANNUAL GOVERNMENT OWNED INVENTORY REPORT (Mandatory)

The Contractor must submit a report annually to the PA on the value of all government owned materiel.

Refer to Chapter 15.4 of A-LM-184-001/JS-001 for further information.

ANNEX A: SECURITY REQUIREMENTS CHECKLIST (SRCL)



Government of Canada / Gouvernement du Canada

Contract Number / Numéro du contrat W8485-205946
Security Classification / Classification de sécurité Unclass

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

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE

1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine National Defence	2. Branch or Directorate / Direction générale ou Direction DAEPM/R&CS
--	--

3. a) Subcontract Number / Numéro du contrat de sous-traitance	3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant
--	---

4. Brief Description of Work / Brève description du travail
In Service Support for the Beyond Line of Sight Ground Entry Stations (BLOS GES)

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

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

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

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

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

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

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

Canada <input checked="" type="checkbox"/>	NATO / OTAN <input type="checkbox"/>	Foreign / Étranger <input type="checkbox"/>
--	--------------------------------------	---

7. b) Release restrictions / Restrictions relatives à la diffusion

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

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

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



PART A (continued) / PARTIE A (suite)

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

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

Short Title(s) of material / Titre(s) abrégé(s) du matériel :
Document Number / Numéro du document :

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

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

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

Special comments:
Commentaires spéciaux :

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.
REMARQUE : Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

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

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

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

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

11. b) Will the supplier be required to safeguard COMSEC information or assets?
Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC? No / Non Yes / Oui

PRODUCTION

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

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

11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data?
Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui

11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency?
Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale? No / Non Yes / Oui



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

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

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

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

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

SUMMARY CHART / TABLEAU RÉCAPITULATIF

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

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?
La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE?

No / Non Yes / Oui

**If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire.**

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?
La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE?

No / Non Yes / Oui

**If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire et indiquer qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).**



Contract Number / Numéro du contrat W8485-205946
Security Classification / Classification de sécurité Unclass

PART D - AUTHORIZATION / PARTIE D - AUTORISATION

13. Organization Project Authority / Chargé de projet de l'organisme

Name (print) - Nom (en lettres moulées) Warrant Officer D.S. Harvey		Title - Titre R&CS 5-3-4	Signature HARVEY, DOUGLAS 133	<small>Digitally signed by HARVEY, DOUGLAS 133 DN: C=ca, O=gc, OU=DND-MDN, OU=Personnel, OU=Intern, CN=HARVEY, DOUGLAS 133 Reason: I am the author of this document Location: LSL2, Boulevard de la Carrière, 11SD-17 Date: 2020-02-28 07:15:34 Foxit PhantomPDF Version: 9.7.1</small>
Telephone No. - N° de téléphone 819-939-5017	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel steve.harvey@forces.gc.ca	Date	

14. Organization Security Authority / Responsable de la sécurité de l'organisme

Name (print) - Nom (en lettres moulées) Sasa Medjovic		Title - Titre Senior Security Analyst	Signature MEDJOVIC, SASHA 234	<small>Digitally signed by MEDJOVIC, SASHA 234 DN: C=CA, O=GC, OU=DND-MDN, OU=Personnel, OU=INTERN, CN="MEDJOVIC, SASHA 234" Reason: I am approving this document Location: your signing location here Date: 2020-03-04 07:32:50 Foxit PhantomPDF Version: 9.7.1</small>
Telephone No. - N° de téléphone 613-996-0286	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel sasa.medjovic@forces.gc.ca	Date	

15. Are there additional instructions (e.g. Security Guide, Security Classification Guide) attached?
Des instructions supplémentaires (p. ex. Guide de sécurité, Guide de classification de la sécurité) sont-elles jointes?

No / Non Yes / Oui

16. Procurement Officer / Agent d'approvisionnement

Name (print) - Nom (en lettres moulées) Alexandre Hein		Title - Titre Senior Materiel Acquisition and Support Officer	Signature HEIN, ALEXANDRE 913	<small>Digitally signed by HEIN, ALEXANDRE 913 DN: C=CA, O=GC, OU=DND-MDN, OU=Personnel, OU=INTERN, CN="HEIN, ALEXANDRE 913" Reason: I am the author of this document Location: your signing location here Date: 2020-06-01 09:18:28 Foxit PhantomPDF Version: 9.7.1</small>
Telephone No. - N° de téléphone 819-989-5015	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel Alexandre.Hein@forces.gc.ca	Date	

17. Contracting Security Authority / Autorité contractante en matière de sécurité

Name (print) - Nom (en lettres moulées)		Title - Titre	Signature Lecompte, Denis	<small>Digitally signed by Lecompte, Denis Date: 2020.03.11 10:55:40 -04'00'</small>
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date	

Denis Lecompte
Contract Security Program / Programme de la sécurité des contrats
Industrial Organization Security Services / Services de la sécurité industrielle des organisations
Industrial Security Sector / Secteur de la sécurité industrielle
Public Services and Procurement Canada / Services publics et de l'Approvisionnement
(613) 952-7907
Denis.Lecompte@tpsgc-pwgsc.gc.ca

**TASK AUTHORIZATION
AUTORISATION DES TÂCHES**

<p>All invoices/progress claims must show the reference Contract and Task numbers. Toutes les factures doivent indiquer les numéros du contrat et de la tâche.</p>		<p>Contract no. – N° du contrat</p> <hr/> <p>Task no. – N° de la tâche</p>
<p>Amendment no. – N° de la modification</p>	<p>Increase/Decrease – Augmentation/Réduction</p>	<p>Previous value – Valeur précédente</p>
<p>To – À</p>	<p>TO THE CONTRACTOR</p> <p>You are requested to supply the following services in accordance with the terms of the above reference contract. Only services included in the contract shall be supplied against this task.</p> <p>Please advise the undersigned if the completion date cannot be met. Invoices/progress claims shall be prepared in accordance with the instructions set out in the contract.</p> <p>À L'ENTREPRENEUR</p> <p>Vous êtes prié de fournir les services suivants en conformité des termes du contrat mentionné ci-dessus. Seuls les services mentionnés dans le contrat doivent être fournis à l'appui de cette demande.</p> <p>Prière d'aviser le signataire si la livraison ne peut se faire dans les délais prescrits. Les factures doivent être établies selon les instructions énoncées dans le contrat.</p>	
<p>Delivery location – Expédié à</p>	<p>_____</p> <p style="text-align: center;">Date</p> <p style="text-align: right;">_____</p> <p style="text-align: right;">for the Department of National Defence pour le ministère de la Défense nationale</p>	
<p>Delivery/Completion date – Date de livraison/d'achèvement</p>	<p>_____</p>	
<p>Contract item no. N° d'article du contrat</p>	<p>Services</p>	<p>Cost Prix</p>
	GST/HST TPS/TVH	
	Total	
<p>APPLICABLE ONLY TO PWGSC CONTRACTS: The Contract Authority signature is required when the total value of the DND 626 exceeds the threshold specified in the contract.</p> <p>NE S'APPLIQUE QU'AUX CONTRATS DE TPSGC : La signature de l'autorité contractante est requise lorsque la valeur totale du formulaire DND 626 est supérieure au seuil précisé dans le contrat.</p>		
<p>_____</p> <p style="text-align: center;">for the Department of Public Works and Government Services pour le ministère des Travaux publics et services gouvernementaux</p>		

Instructions for completing DND 626 - Task Authorization

Contract no.

Enter the PWGSC contract number in full.

Task no.

Enter the sequential Task number.

Amendment no.

Enter the amendment number when the original Task is amended to change the scope or the value.

Increase/Decrease

Enter the increase or decrease total dollar amount including taxes.

Previous value

Enter the previous total dollar amount including taxes.

To

Name of the contractor.

Delivery location

Location where the work will be completed, if other than the contractor's location.

Delivery/Completion date

Completion date for the task.

for the Department of National Defence

Signature of the DND person who has delegated **Authority** for signing DND 626 (level of authority based on the dollar value of the task and the equivalent signing authority in the PAM 1.4). **Note:** the person signing in this block ensures that the work is within the scope of the contract, that sufficient funds remain in the contract to cover this task and that the task is affordable within the Project/Unit budget.

Services

Define the requirement briefly (attach the SOW) and identify the cost of the task using the contractor's quote on the level of effort. The Task must use the basis of payment stipulated in the contract. If there are several basis of payment then list here the one(s) that will apply to the task quote (e.g. milestone payments; per diem rates/labour category hourly rates; travel and living rates; firm price/ceiling price, etc.). All the terms and conditions of the contract apply to this Task Authorization and cannot be ignored or amended for this task. Therefore it is not necessary to restate these general contract terms and conditions on the DND 626 Task form.

Cost

The cost of the Task broken out into the individual costed items in **Services**.

GST/HST

The GST/HST cost as appropriate.

Total

The total cost of the task. The contractor may not exceed this amount without the approval of DND indicated on an amended DND 626. The amendment value may not exceed 50% (or the percentage for amendments established in the contract) of the original value of the task authorization. The total cost of a DND 626, including all amendments, may not exceed the funding limit identified in the contract.

Applicable only to PWGSC contracts

This block only applies to those Task Authorization contracts awarded by PWGSC. The contract will include a specified threshold for DND sole approval of the DND 626 and a percentage for DND to approve amendments to the original DND 626. Tasks that will exceed these thresholds must be passed to the PWGSC Contracting Authority for review and signature prior to authorizing the contractor to begin work.

Note:

Work on the task may not commence prior to the date this form is signed by the DA Authority - for tasks within the DND threshold; and by both DND and PWGSC for those tasks over the DND threshold.

Instructions pour compléter le formulaire DND 626 - Autorisation des tâches

N° du contrat

Inscrivez le numéro du contrat de TPSGC en entier.

N° de la tâche

Inscrivez le numéro de tâche séquentiel.

N° de la modification

Inscrivez le numéro de modification lorsque la tâche originale est modifiée pour en changer la portée.

Augmentation/Réduction

Inscrivez le montant total de l'augmentation ou de la diminution, y compris les taxes.

Valeur précédente

Inscrivez le montant total précédent, y compris les taxes.

À

Nom de l'entrepreneur.

Expédiez à

Endroit où le travail sera effectué, si celui-ci diffère du lieu d'affaires de l'entrepreneur.

Date de livraison/d'achèvement

Date d'achèvement de la tâche.

pour le ministère de la Défense nationale

Signature du représentant du MDN auquel on a délégué le **pouvoir d'approbation** en ce qui a trait à la signature du formulaire DND 626 (niveau d'autorité basé sur la valeur de la tâche et le signataire autorisé équivalent mentionné dans le MAA 1.4). **Nota :** la personne qui signe cette attache de signature confirme que les travaux respectent la portée du contrat, que suffisamment de fonds sont prévus au contrat pour couvrir cette tâche et que le budget alloué à l'unité ou pour le projet le permet.

Services

Définissez brièvement le besoin (joignez l'ET) et établissez le coût de la tâche à l'aide de la soumission de l'entrepreneur selon le niveau de difficulté de celle-ci. Les modalités de paiement stipulées dans le contrat s'appliquent à la tâche. Si plusieurs d'entre elles sont prévues, énumérez ici celle/celles qui s'appliquera/ront à la soumission pour la tâche à accomplir (p.ex. acompte fondé sur les étapes franchies; taux quotidien ou taux horaire établi selon la catégorie de main-d'œuvre; frais de déplacement et de séjour; prix fixe ou prix plafond; etc.). Toutes les modalités du contrat s'appliquent à cette autorisation de tâche et ne peuvent être négligées ou modifiées quant à la tâche en question. Il n'est donc pas nécessaire de répéter ces modalités générales afférentes au contrat sur le formulaire DND 626.

Prix

Mentionnez le coût de la tâche en le répartissant selon les frais afférents à chaque item mentionné dans la rubrique **Services**.

TPS/TVH

Mentionnez le montant de la TPS/TVH, s'il y a lieu.

Total

Mentionnez le coût total de la tâche. L'entrepreneur ne peut dépasser ce montant sans l'approbation du MDN, formulaire DND 626 modifié à l'appui. Le coût de la modification ne peut pas être supérieur à 50 p. 100 du montant initial prévu dans l'autorisation de tâche (ou au pourcentage prévu dans le contrat pour les modifications). Le coût total spécifié dans le formulaire DND 626, y compris toutes les modifications, ne peut dépasser le plafond de financement mentionné dans le contrat.

Ne s'applique qu'aux contrats de TPSGC

Le présent paragraphe s'applique uniquement aux autorisations de tâche accordées par TPSGC. On inscrira dans le formulaire DND 626 un plafond précis qui ne pourra être approuvé que par le MDN et un pourcentage selon lequel le MDN pourra approuver des modifications au formulaire DND 626 original. Les tâches dont le coût dépasse ces plafonds doivent être soumises à l'autorité contractante de TPSGC pour examen et signature avant qu'on autorise l'entrepreneur à débiter les travaux.

Nota :

Les travaux ne peuvent commencer avant la date de signature de ce formulaire par le responsable du MDN, pour les tâches dont le coût est inférieur au plafond établi par le MDN, et par le MDN et TPSGC pour les tâches dont le coût dépasse le plafond établi par le MDN.