



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

**Bid Receiving - PWGSC / Réception des
soumissions - TPSGC**
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
Core 0B2 / Noyau 0B2
Gatineau
Québec
K1A 0S5
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 PROF SERVICES FOR THE TNO PROJECT	
Solicitation No. - N° de l'invitation W7714-156010/B	Date 2016-02-22
Client Reference No. - N° de référence du client W7714-156010	
GETS Reference No. - N° de référence de SEAG PW-\$\$ZM-617-29875	
File No. - N° de dossier 617zm.W7714-156010	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-03-14	Time Zone Fuseau horaire Eastern Standard Time EST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Baker, Roxane	Buyer Id - Id de l'acheteur 617zm
Telephone No. - N° de téléphone (819) 956-1105 ()	FAX No. - N° de FAX (819) 956-1207
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF NATIONAL DEFENCE BLDG 29 RECEIVING 3701 CARLING AVE DRDC-OTTAWA OTTAWA Ontario K1A0Z4 Canada	

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

Informatics Professional Services Division / Division des
services professionnels en informatique
11 Laurier St., / 11, rue Laurier
3C2, Place du Portage
Gatineau
Québec
K1A 0S5

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

**BID SOLICITATION
FOR A CONTRACT AGAINST A SUPPLY ARRANGEMENT FOR TASK- BASED
INFORMATICS PROFESSIONAL SERVICES (TBIPS)
STREAM 1: APPLICATION SERVICES
A.1 APPLICATION/SOFTWARE ARCHITECT, LEVEL 3
A.6 PROGRAMMER/SOFTWARE DEVELOPER, LEVEL 2
A.6 PROGRAMMER/SOFTWARE DEVELOPER, LEVEL 3
FOR
THE DEPARTMENT OF NATIONAL DEFENCE, DEFENCE R&D CANADA (DRDC)**

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**BID SOLICITATION
FOR A CONTRACT AGAINST A SUPPLY ARRANGEMENT FOR TASK- BASED IN
INFORMATICS PROFESSIONAL SERVICES (TBIPS)
STREAM 1: APPLICATION SERVICES
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FOR
THE DEPARTMENT OF NATIONAL DEFENCE, DEFENCE R&D CANADA (DRDC)**

PART 1 - GENERAL INFORMATION

1.1 Introduction

This document states terms and conditions that apply to this bid solicitation **W7714-156010/B**. It 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 and states that the Bidder agrees to be bound by the clauses and conditions contained in all parts of 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, if applicable, and the basis of selection;

Part 5 Certifications: includes the certifications 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 and any other annexes.

1.2 Summary

- (a) This bid solicitation is being issued to satisfy the requirement of the Department of National Defence, Defence Research & Development Canada (DRDC) (the "**Client**") for Task-Based Informatics Professional Services (TBIPS) under the TBIPS Supply Arrangement (SA) method of supply.
- (b) It is intended to result in the award of one contract for a period of one year plus four one-year irrevocable options allowing Canada to extend the term of the contract.
- (c) There is a security requirement 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 Canadian Industrial Security Directorate (CISD), Industrial and Security Program of Public Works and Government Services Canada (<http://ssi-iss.tpsgc-pwgsc.gc.ca/index-eng.html>) website.
- (d) The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), the

- Canada-Chile Free Trade Agreement (CCFTA), the Canada-Peru Free Trade Agreement (CPFTA), the Canada-Colombia Free Trade Agreement (CCoIFTA), and the Canada-Panama Free Trade Agreement (CPanFTA), and the Agreement on Internal Trade (AIT).
- (e) The Federal Contractor’s Program (FCP) for employment equity applies to this procurement; see Part 5 – Certifications, Part 7 – Resulting Contract Clauses and the attachment titled “Federal Contractor’s Program for Employment Equity – Certification.”
 - (f) Only TBIPS SA Holders currently holding a TBIPS SA for Tier 2, in Stream 1 – Application Services and in the National Capital Region under the EN578-055605 series of SAs are eligible to compete. The TBIPS SA EN578-055605 is incorporated by reference and forms part of this bid solicitation, as though expressly set out in it, subject to any express terms and conditions contained in this bid solicitation. The capitalized terms not defined in this bid solicitation have the meaning given to them in the TBIPS SA.
 - (g) SA Holders that are invited to compete as a joint venture must submit a bid as that joint venture SA Holder, forming no other joint venture to bid. Any joint venture must be already qualified under the SA #EN578-055605 as that joint venture at the time of bid closing in order to submit a bid.
 - (h) For services requirements, Bidders in receipt of a pension or a lump sum payment are to provide the required information as detailed in article 3 of Part 2 of the bid solicitation. Bidders are requested to include this information in the Bid Submission Form.
 - (i) 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).
 - (j) The Resource Categories described below are required on an as and when requested basis in accordance with the TBIPS SA Annex "A":

STREAM 1 – APPLICATION SERVICES

RESOURCE CATEGORY	LEVEL OF EXPERTISE	ESTIMATED NUMBER OF RESOURCES REQUIRED
A.1 Application/Software Architect: Lead Developer (Manet/Android)	3	1
A.6 Programmer/Software Developer: Programmer for Laboratory Applications	2	1
A.6 Programmer/Software Developer: Firmware Software Engineer/Developer (Manet/Android)	3	1
A.6 Programmer/Software Developer: Software Programmer (Manet/EXata Simulation)	3	1
A.6 Programmer/Software Developer: Software Engineer for SDR	3	1

1.3 Debriefings

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

1.4 Conflict of Interest

In the performance of the Contract resulting from this solicitation, the Contractor will have access to information and material which will result in placing it in a real or perceived conflict of interest or confer an unfair advantage upon it in respect of its participation in other future solicitations. In particular, the professional services rendered under this resulting Contract will disqualify the Contractor, its affiliated entities, employees, agents or subcontractors from participating in the Tactical Edge Cyber Command and Control (TEC3) solicitation number W7714-145970/B.

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

- (a) All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.
- (b) 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.
- (c) The 2003 (2015-07-03) Standard Instructions - Goods or Services - Competitive Requirements are incorporated by reference into and form part of the bid solicitation. If there is a conflict between the provisions of 2003 and this document, this document prevails.
- (d) Subsections 3 of Section 01, Integrity Provisions – Bid of Standard Instructions 2003 incorporated by reference above are deleted in their entirety and replaced with the following:
 - 3. List of Names
 - a. Bidders who are incorporated or who are a sole proprietorship, including those bidding as a joint venture, have already provided a list of names of all individuals who are directors of the Bidder, or the name of the owner(s), at the time of submitting an arrangement under the Request for Supply Arrangement (RFSA).
 - b. These Bidders must immediately inform Canada in writing of any changes affecting the list of directors during this procurement process.
- (e) Subsection 5(4) of 2003, Standard Instructions – Goods and Services – Competitive Requirements is amended as follows:
 - (i) Delete: sixty (60) days
 - (ii) Insert: 180 days

2.2 Submission of Bids

- (a) **Location and Time for Delivery of Bid:** Bids must be submitted only to the Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and at the PWGSC address indicated on page one of the bid solicitation.
- (b) Due to the nature of the bid solicitation, bids transmitted by facsimile or electronic mail to PWGSC will not be accepted.

2.3 Enquiries - Bid Solicitation

- (a) All enquiries must be submitted in writing to the Contracting Authority no later than 10 calendar days before the bid closing date. Enquiries received after that time may not be answered.
- (b) 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 questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered **with copies** to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Former Public Servant

- (a) 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.

(b) **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:

- (i). an individual;
- (ii). an individual who has incorporated;
- (iii). a partnership made of former public servants; or
- (iv). 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.

(c) **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 FPS in receipt of a pension, as applicable:

- (i). name of former public servant;
- (ii). 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 web sites as part of the published proactive disclosure reports in accordance with [Contracting Policy Notice: 2012-2](#) and the [Guidelines on the Proactive Disclosure of Contracts](#).

(d) **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:

- (i). name of former public servant;
- (ii). conditions of the lump sum payment incentive;
- (iii). date of termination of employment;
- (iv). amount of lump sum payment;
- (v). rate of pay on which lump sum payment is based;
- (vi). period of lump sum payment including start date, end date and number of weeks;
- (vii). number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

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

2.5 Applicable Laws

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

Note to Bidders: *Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of its bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of its choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidder. Bidders are requested to indicate the Canadian province or territory they wish to apply to any resulting contract in their Bid Submission Form.*

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 reasons 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 in accordance with the article entitled "Enquiries - Bid Solicitation". Canada will have the right to accept or reject any or all suggestions.

2.7 Basis for Canada's Ownership of Intellectual Property

- (a) The Department of National Defence, Defence R&D Canada has determined that any intellectual property rights arising from the performance of the Work under any resulting contract will vest in Canada.

2.8 Volumetric Data

The estimated number of days for each Resource Category has been provided to Bidders to assist them in preparing their bids. The inclusion of this data in this bid solicitation does not represent a commitment by Canada that Canada's future usage of the service identified in this bid solicitation will be consistent with this data. It is provided purely for information purposes.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

(a) **Copies of Bid:** Canada requests that bidders provide their bid in separately bound sections as follows:

- (i) Section I: Technical Bid (3 hard copies) and three soft copies on CD);
- (ii) Section II: Financial Bid (2 hard copies);
- (iii) Section III: Certifications not included in the Technical Bid (2 hard copies)

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

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

(b) **Format for Bid:** Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

- (i) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (ii) use a numbering system that corresponds to the bid solicitation;
- (iii) include a title page at the front of each volume of the bid that includes the title, date, bid solicitation number, bidder's name and address and contact information of its representative; and
- (iv) include a table of contents.

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

- (i) use paper containing fibre certified as originating from a sustainably-managed forest and/or containing a minimum of 30% recycled content; and
- (ii) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, and using staples or clips instead of cerlox, duo tangs or binders.

(d) **Submission of Only One Bid :**

- (i) A Bidder, including related entities, will be permitted to submit only one bid in response to this bid solicitation. If a Bidder or any related entities participate in more than one bid (participating means being part of the Bidder, not being a subcontractor), Canada will provide those Bidders with 2 working days to identify the single bid to be considered by Canada. Failure to meet this deadline will result in all the affected bids being disqualified.
- (ii) For the purposes of this Article, regardless of the jurisdiction where any of the entities concerned is incorporated or otherwise formed as a matter of law (whether that entity is a natural person, corporation, partnership, etc), an entity will be considered to be "**related**" to a Bidder if:
 - (A) they are the same legal entity (i.e., the same natural person, corporation, partnership, limited liability partnership, etc.);
 - (B) they are "related persons" or "affiliated persons" according to the Canada Income Tax Act;

- (C) the entities have now or in the two years before bid closing had a fiduciary relationship with one another (either as a result of an agency arrangement or any other form of fiduciary relationship); or
- (D) the entities otherwise do not deal with one another at arm's length, or each of them does not deal at arm's length with the same third party.
- (iii) Individual members of a joint venture cannot participate in another bid, either by submitting a bid alone or by participating in another joint venture.

(e) Joint Venture Experience:

- i. Where the Bidder is a joint venture with existing experience as that joint venture, it may submit the experience that it has obtained as that joint venture.

Example: A bidder is a joint venture consisting of members L and O. A bid solicitation requires that the bidder demonstrate experience providing maintenance and help desk services for a period of 24 months to a customer with at least 10,000 users. As a joint venture (consisting of members L and O), the bidder has previously done the work. This bidder can use this experience to meet the requirement. If member L obtained this experience while in a joint venture with a third party N, however, that experience cannot be used because the third party N is not part of the joint venture that is bidding.

- ii. A joint venture bidder may rely on the experience of one of its members to meet any given technical criterion of this bid solicitation.

Example: A bidder is a joint venture consisting of members X, Y and Z. If a solicitation requires: (a) that the bidder have 3 years of experience providing maintenance service, and (b) that the bidder have 2 years of experience integrating hardware with complex networks, then each of these two requirements can be met by a different member of the joint venture. However, for a single criterion, such as the requirement for 3 years of experience providing maintenance services, the bidder cannot indicate that each of members X, Y and Z has one year of experience, totaling 3 years. Such a response would be declared non-responsive.

- iii. Joint venture members cannot pool their abilities with other joint venture members to satisfy a single technical criterion of this bid solicitation. However, a joint venture member can pool its individual experience with the experience of the joint venture itself. Wherever substantiation of a criterion is required, the Bidder is requested to indicate which joint venture member satisfies the requirement. If the Bidder has not identified which joint venture member satisfies the requirement, the Contracting Authority will provide an opportunity to the Bidder to submit this information during the evaluation period. If the Bidder does not submit this information within the period set by the Contracting Authority, its bid will be declared non-responsive.

Example: A bidder is a joint venture consisting of members A and B. If a bid solicitation requires that the bidder demonstrate experience providing resources for a minimum number of 100 billable days, the bidder may demonstrate that experience by submitting either:

- Contracts all signed by A;
- Contracts all signed by B; or
- Contracts all signed by A and B in joint venture, or
- Contracts signed by A and contracts signed by A and B in joint venture, or
- Contracts signed by B and contracts signed by A and B in joint venture.

That show in total 100 billable days.

- iv. Any Bidder with questions regarding the way in which a joint venture bid will be evaluated should raise such questions through the Enquiries process as early as possible during the bid solicitation period.

3.2 Section I: Technical Bid

(a) The technical bid consists of the following:

- (i) **Bid Submission Form:** Bidders are requested to include the Bid Submission Form - Attachment "3.1" with their bids. It provides a common form in which Bidders can provide information required for evaluation and contract award, such as a contact name and the Bidder's Procurement Business Number, etc. Using the form to provide this information is not mandatory, but it is recommended. If Canada determines that the information required by the Bid Submission Form is incomplete or requires correction, Canada will provide the Bidder with an opportunity to do so.
- (ii) **Security Clearance:** Bidders are requested to submit the following security information for each of the proposed resources with their bids on or before the bid closing date:

SECURITY INFORMATION	
Name of individual as it appears on security clearance application form	
Level of security clearance obtained	
Validity period of security clearance obtained	
Security Screening Certificate and Briefing Form file number	

If the Bidder has not included the security information in its bid, the Contracting Authority will provide an opportunity to the Bidder to submit the security information during the evaluation period. If the Bidder has not submitted the security information within the period set by the Contracting Authority, its bid will be declared non-responsive.

- (iii) **Substantiation of Technical Compliance:** The technical bid must substantiate the compliance with the specific articles of Attachment "4.1" which is the requested format for providing the substantiation. The substantiation must not simply be a repetition of the requirement(s), but must explain and demonstrate how the Bidder will meet the requirements and carry out the required Work. Simply stating that the Bidder or its proposed solution or resources comply is not sufficient. Where Canada determines that the substantiation is not complete, the Bidder will be considered non-responsive and disqualified. The substantiation may refer to additional documentation submitted with the bid - this information can be referenced in the "Bidder's Response" column of Attachment "4.1", where Bidders are requested to indicate where in the bid the reference material can be found, including the title of the document, and the page and paragraph numbers; where the reference is not sufficiently precise, Canada may request that the Bidder direct Canada to the appropriate location in the documentation.
- (iv) **For Proposed Resources:** The technical bid must include résumés for the resources as identified in Attachment "4.1". The same individual must not be proposed for more than one Resource Category. The Technical bid must demonstrate that each proposed individual meets the qualification requirements described (including any educational requirements, work experience requirements, and professional designation or membership requirements). With respect to the proposed resources:
 - (A) Proposed resources may be employees of the Bidder or employees of a subcontractor, or these individuals may be independent contractors to whom the Bidder would subcontract a portion of the Work (refer to Part 5, Certifications).
 - (B) For educational requirements for a particular degree, designation or certificate, PWGSC will only consider educational programmes that were successfully completed by the resource by the time of bid closing. If the degree, designation

- or certification was issued by an educational institution outside of Canada, the Bidder must provide a copy of the results of the academic credential assessment and qualification recognition service issued by an agency or organization recognized by the Canadian Information Centre for International Credentials (CICIC).
- (C) For requirements relating to professional designation or membership, the resource must have the required designation or membership by the time of bid closing and must continue, where applicable, to be a member in good standing of the profession or membership throughout the evaluation period and Contract Period. Where the designation or membership must be demonstrated through a certification, diploma or degree, such document must be current, valid and issued by the entity specified in this solicitation. If the entity is not specified, the issuer must have been an accredited or otherwise recognized body, institution or entity at the time the document was issued. If the degree, diploma or certification was issued by an educational institution outside of Canada, the Bidder must provide a copy of the results of the academic credential assessment and qualification recognition service issued by an agency or organization recognized by the Canadian Information Centre for International Credentials (CICIC).
- (D) For work experience, PWGSC will not consider experience gained as part of an educational programme, except for experience gained through a formal co-operative programme at a post-secondary institution.
- (E) For any requirements that specify a particular time period (e.g., 2 years) of work experience, PWGSC will disregard any information about experience if the technical bid does not include the relevant dates (month and year) for the experience claimed (i.e., the start date and end date). Canada will evaluate only the duration that the resource actually worked on a project or projects (from his or her start date to end date), instead of the overall start and end date of a project or a combination of projects in which a resource has participated.
- (F) For work experience to be considered by Canada, the technical bid must not simply indicate the title of the individual's position, but must demonstrate that the resource has the required work experience by explaining the responsibilities and work performed by the individual while in that position. In situations in which a proposed resource worked at the same time on more than one project, the duration of any overlapping time period will be counted only once toward any requirements that relate to the individual's length of experience.
- (v) **Customer Reference Contact Information:**
- (A) The Bidder must provide customer references. The customer reference must each confirm, if requested by PWGSC the facts identified in the Bidder's bid, as required by Attachment "4.1".
- (B) The form of question to be used to request confirmation from customer references is as follows:
- Has the Bidder provided your organization with an IM/IT contract meeting each of the following conditions:
- a) The value must be at least \$3M;
 - b) The duration must be at least two years within the last five years. (note: duration does not include option periods that have not been exercised); and
 - c) The Bidder must have provided at least 5 resources simultaneously for a period of at least 12 consecutive months within the last five years.

___ Yes, the Bidder has provided my organization with the services described

above.

No, the Bidder has not provided my organization with the services described above.

I am unwilling or unable to provide any information about the services described above.

- (C) For each customer reference, the Bidder must, at a minimum, provide the name and e-mail address for a contact person.

Bidders are also requested to include the title of the contact person. It is the sole responsibility of the Bidder to ensure that it provides a contact who is knowledgeable about the services the Bidder has provided to its customer and who is willing to act as a customer reference. Crown references will be accepted.

3.3 Section II: Financial Bid

- (a) **Pricing:** Bidders must submit their financial bid in accordance with Attachment 4.2 – Pricing Schedule of this bid solicitation. The total amount of Applicable Taxes must be shown separately, if applicable. Unless otherwise indicated, Bidders must include a single, firm, all-inclusive per diem rate quoted in Canadian dollars in each cell requiring an entry in the pricing tables.
- (b) **Variation in Resource Rates By Time Period:** For any given resource category, where the financial tables provided by Canada allow different firm rates to be charged for a resource category during different time periods:
- (i) the rate bid must not increase by more than 5% from one time period to the next, and
 - (ii) the rate bid for the same resource category during any subsequent time period must not be lower than the rate bid for the time period that includes the first month of the Initial Contract Period.
- (c) **All Costs to be Included:** The financial bid must include all costs for the requirement described in the bid solicitation for the entire Contract Period, including any option periods. The identification of all necessary equipment, software, peripherals, cabling and components required to meet the requirements of the bid solicitation and the associated costs of these items is the sole responsibility of the Bidder.

3.4 Section III: Certifications

It is a requirement that bidders submit the certifications identified under Part 5.

3.5 Section IV: Additional Information

- (a) **Bidder's Proposed Site or Premises Requiring Safeguard Measures**
As indicated in Part 6 under Security Requirement, the Bidder is to provide the required information below, on the Bidder's proposed site or premises for which safeguard measures are required for Work Performance.

Address:

Street Number / Street Name, Unit / Suite / Apartment Number

City, Province, Territory / State

Postal Code / Zip Code

Country

Bidders are requested to indicate this information on their Bid Submission Form.

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. There are several steps in the evaluation process, which are described below. Even though the evaluation and selection will be conducted in steps, the fact that Canada has proceeded to a later step does not mean that Canada has conclusively determined that the Bidder has successfully passed all the previous steps. Canada may conduct steps of the evaluation in parallel.
- (b) An evaluation team composed of representatives of the Client and PWGSC will evaluate the bids on behalf of Canada. Canada may hire any independent consultant, or use any Government resources, to evaluate any bid. Not all members of the evaluation team will necessarily participate in all aspects of the evaluation.
- (c) In addition to any other time periods established in the bid solicitation:
- (i) **Requests for Clarifications:** If Canada seeks clarification or verification from the Bidder about its bid, the Bidder will have 2 working days (or a longer period if specified in writing by the Contracting Authority) to provide the necessary information to Canada. Failure to meet this deadline will result in the bid being declared non-responsive.
 - (ii) **Requests for Further Information:** If Canada requires additional information in order to do any of the following pursuant to the Section entitled "Conduct of Evaluation" in 2003, Standard Instructions - Goods or Services - Competitive Requirements:
 - (A) verify any or all information provided by the Bidder in its bid; or
 - (B) contact any or all references supplied by the Bidder (e.g., references named in the résumés of individual resources) to verify and validate any information submitted by the Bidder,the Bidder must provide the information requested by Canada within 2 working days of a request by the Contracting Authority.
 - (iii) **Extension of Time:** If additional time is required by the Bidder, the Contracting Authority may grant an extension in his or her sole discretion.

4.2 Technical Evaluation

- (a) **Mandatory Technical Criteria:**
- (i) Each bid will be reviewed for compliance with the mandatory requirements of the bid solicitation. Any element of the bid solicitation that is identified specifically with the words "must" or "mandatory" is a mandatory requirement. Bids that do not comply with each and every mandatory requirement will be declared non-responsive and be disqualified.
 - (ii) The mandatory technical criteria are described in Attachment 4.1.
- (b) **Point-Rated Technical Criteria:**
- (i) Each bid will be rated by assigning a score to the rated requirements, which are identified in the bid solicitation by the word "rated" or by reference to a score. Bidders who fail to submit complete bids with all the information requested by this bid solicitation will be rated accordingly.
 - (ii) The rated requirements are described in Attachment 4.1.
- (c) **Reference Checks:**
- (i) Whether or not to conduct reference checks is discretionary. However, if PWGSC chooses to conduct reference checks for any given rated or mandatory requirement, it will

- check the references for that requirement for all bidders to be recommended for contract award.
- (ii) For reference checks, Canada will conduct the reference check in writing by email. Canada will send all email reference check requests to contacts supplied by all the Bidders on the same day using the email address provided in the bid. Canada will not award any points and/or a bidder will not meet the mandatory experience requirement (as applicable) unless the response is received within 5 working days of the date that Canada's email was sent.
 - (iii) On the third working day after sending out the reference check request, if Canada has not received a response, Canada will notify the Bidder by email, to allow the Bidder to contact its reference directly to ensure that it responds to Canada within 5 working days. If the individual named by a Bidder is unavailable when required during the evaluation period, the Bidder may provide the name and email address of an alternate contact person from the same customer. Bidders will only be provided with this opportunity once for each customer, and only if the originally named individual is unavailable to respond (i.e., the Bidder will not be provided with an opportunity to submit the name of an alternate contact person if the original contact person indicates that he or she is unwilling or unable to respond). The 5 working days will not be extended to provide additional time for the new contact to respond.
 - (iv) Wherever information provided by a reference differs from the information supplied by the Bidder, the information supplied by the reference will be the information evaluated.
 - (v) Points will not be allocated and/or a bidder will not meet the mandatory experience requirement (as applicable) if (1) the reference customer states he or she is unable or unwilling to provide the information requested, or (2) the customer reference is not a customer of the Bidder itself (for example, the customer cannot be the customer of an affiliate of the Bidder instead of being a customer of the Bidder itself). Nor will points be allocated or a mandatory met if the customer is itself an affiliate or other entity that does not deal at arm's length with the Bidder.

4.3 Financial Evaluation

- (a) There are two possible financial evaluation methods for this requirement. The first method will be used if three or more bids are determined responsive (see (b) Financial Evaluation – Method A below). The second method will be used if fewer than three bids are determined responsive (see (c) Financial Evaluation – Method B below).
- (b) **Financial Evaluation – Method A:** The following financial evaluation method will be used if three or more bids are determined responsive:
 - (i) **Calculation of Total Bid Price:** The financial evaluation will be conducted using the pricing tables completed by the Bidders and the Firm Per Diem Median Rate Evaluation Method explained below. A financial calculation will occur for each Bidder by multiplying its firm per diem rates, or Median Rate(s) if applicable, for the Initial Contract Period and the option period(s) with the estimated number of days of work for each period, for all the Resource Categories stated in Attachment 4.2 - Pricing Schedule. The sum of such rates will constitute the Total Bid Price for that Bidder.
 - (ii) **Firm Per Diem Median Rate Evaluation**
 - (A) **Use:** The firm per diem median rate calculation will apply to modify the rate to be assessed in the financial evaluation of a Bidder, where that Bidder submits a firm per diem rate for a resource category that is lower than the Lower Band Limit as calculated below. The firm per diem median rate calculation is for evaluation purposes only, and the actual submitted per diem rate will be used in any resulting contract in all instances.

(B) Calculation for both the Initial Contract Period and the Option Period

medians: Using the per diem rate proposed for each individual Resource Category a Median Rate will be determined for each Resource Category for the Initial Contract Period, and for each of the option period(s). For each Resource Category, the Median Rate will be calculated using the median function in Microsoft Excel. A Lower Band Limit will be calculated for each Resource Category and will represent a range that encompasses the Median Rate to a value of minus (-) 20% of the Median Rate. If a Bidder bids a firm per diem rate for a Resource Category that is lower than the Lower Band Limit, that Bidder's financial evaluation will be conducted using a per diem rate equal to the Median Rate for that Resource Category.

For example, if the Median Rate is determined to be \$500 for a Resource Category, the Lower Band Limit would be minus (-) 20% of \$500, or \$400. If a Bidder proposes a firm per diem rate that is lower than \$400, the Median Rate of \$500 will be used in the Bidder's financial evaluation for that Resource Category.

- (c) **Financial Evaluation - Method B:** The following financial evaluation method will be used if less than three bids are determined responsive:
- (i) **Calculation of Total Bid Price:** The financial evaluation will be conducted using the pricing tables completed by the Bidders. A financial calculation will occur for each Bidder by multiplying its firm per diem rates for the Initial Contract Period and the option period(s) with the estimated number of days of work for each period, for all the Resource Categories stated in Attachment 4.2 - Pricing Schedule. The sum of such rates will constitute the Total Bid Price for that Bidder.
- (d) **Substantiation of Professional Services Rates**
In Canada's experience, bidders will from time to time propose rates at the time of bidding for one or more categories of resources that they later refuse to honour, on the basis that these rates do not allow them to recover their own costs and/or make a profit. When evaluating the rates bid for professional services, Canada may, but will have no obligation to, require price support in accordance with this Article. If Canada requests price support, it will be requested from all otherwise responsive bidders who have proposed a rate that is at least 20% lower than the median rate bid by all responsive bidders for the relevant resource category or categories. If Canada requests price support, the following information is required:
- (i) an invoice (referencing a contract serial number or other unique contract identifier) that shows that the Bidder has provided and invoiced a customer (with whom the Bidder deals at arm's length) for services performed for that customer similar to the services that would be provided in the relevant resource category, where those services were provided for at least three months within the eighteen months before the date of this request for rate substantiation, and the fees charged were equal to or less than the rate offered to Canada;
 - (ii) in relation to the invoice in (i), evidence from the bidder's customer that the services identified in the invoice include at least 50% of the tasks listed in the Statement of Work for the category of resource being assessed for an unreasonably low rate. This evidence must consist of either a copy of the contract (which must describe the services to be provided and demonstrate that at least 50% of the tasks to be performed are the same as those to be performed under the Statement of Work in this bid solicitation) or the customer's signed certification that the services subject to the charges in the invoice included at least 50% of the same tasks to be performed under the Statement of Work in this bid solicitation; and
 - (iii) the name, telephone number and, if available, e-mail address of a contact person at the customer who received each invoice submitted under (i), so that Canada may verify any information provided by the Bidder.

Once Canada requests substantiation of the rates bid for any resource category, it is the sole responsibility of the Bidder to submit information (as described above and as otherwise may be requested by Canada, including information that would allow Canada to verify information with the resource proposed) that will allow Canada to determine whether it can rely, with confidence, on the Bidder's ability to provide the required services at the rates bid. If Canada determines that the information provided by the Bidder does not adequately substantiate the unreasonably low rates, the bid will be declared non-responsive.

(e) **Formulae in Pricing Tables**

If the pricing tables provided to bidders include any formulae, Canada may re-input the prices provided by bidders into a fresh table, if Canada believes that the formulae may no longer be functioning properly in the version submitted by a bidder.

4.4 Basis of Selection – Highest Responsive Combined Rating of Technical Merit and Price

(a) **Selection Process: The following selection process will be conducted for each bid:**

- (i) A bid must comply with the requirements of the bid solicitation, meet all mandatory evaluation criteria and obtain the required pass marks for the point rated criteria identified in this bid solicitation to be declared responsive.
- (ii) The responsive bid that obtains the highest Total Bidder Score will be recommended for award of a contract. For any given Bidder, the greatest possible Total Technical Score is 70 while the greatest possible Total Financial Score is 30.

(A) Calculation of Total Technical Score: The Total Technical Score will be computed for each responsive bid by converting the Technical Score obtained for the point-rated technical criteria using the following formula, rounded to two decimal places:

$$\frac{\text{Technical Score}}{\text{Maximum Technical Points (bidders, please refer to the maximum technical points in Attachment 4.1)}} \times 70 = \text{Total Technical Score}$$

(B) Calculation of Total Financial Score: The Total Financial Score will be computed for each responsive bid by converting the Financial Score obtained for the financial evaluation using the following formula rounded to two decimal places:

$$\frac{\text{Lowest Financial Evaluated Price}}{\text{The Bidder's Financial Evaluated Price}} \times 30 = \text{Total Financial Score}$$

(C) Calculation of the Total Bidder Score: The Total Bidder Score will be computed for each responsive bid in accordance with the following formula:

$$\text{Total Technical Score} + \text{Total Financial Score} = \text{Total Bidder Score}$$

- (iii) In the event of identical Total Bidder Scores occurring, then the bid with the highest Total Technical Score will become the top-ranked bidder.
 - (iv) One contract may be awarded as a result of this bid solicitation.
- (b) Bidders should note that all contract awards are subject to Canada's internal approvals process, which includes a requirement to approve funding in the amount of any proposed contract. Despite the fact that the Bidder may have been recommended for contract award, a contract will only be awarded if internal approval is granted according to Canada's internal policies. If approval is not granted, no contract will be awarded.

PART 5 – CERTIFICATIONS

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

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. 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 Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority may render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Precedent to Contract Award and Additional Information

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

(a) 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](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from Employment and Social Development Canada (ESDC) - Labour's website.

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" 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](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed Attachment 5.1, 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 Attachment Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

5.3 Additional Certifications Precedent to Contract Award

a) Professional Services Resources

- (i) By submitting a bid, the Bidder certifies that, if it is awarded a contract as a result of the bid solicitation, every individual proposed in its bid will be available to perform the Work as required by Canada's representatives and at the time specified in the bid solicitation or agreed to with Canada's representatives.
- (ii) By submitting a bid, the Bidder certifies that all the information provided in the résumés and supporting material submitted with its bid, particularly the information pertaining to education, achievements, experience and work history, has been verified by the Bidder to be true and accurate. Furthermore, the Bidder warrants that every individual proposed by the Bidder for the requirement is capable of performing the Work described in the resulting contract.
- (iii) If the Bidder is unable to provide the services of an individual named in its bid due to the death, sickness, extended leave (including parental leave or disability leave), retirement, resignation or dismissal for cause of that individual, within five business days of Canada's knowledge of the unavailability of the individual the Bidder may propose a substitute to the Contracting Authority,

providing:

- (A) the reason for the substitution with substantiating documentation acceptable to the Contracting Authority;
- (B) the name, qualifications and experience of a proposed replacement immediately available for work; and
- (C) proof that the proposed replacement has the required security clearance granted by Canada, if applicable.

No more than one substitute will be considered for any given individual proposed in the bid. In response to the Bidder's proposed substitution, the Contracting Authority may elect in its sole discretion either to:

- (A) set aside the bid and give it no further consideration; or
- (B) evaluate the replacement in accordance with the requirements of the bid solicitation in the place of the original resource as if that replacement had originally been proposed in the bid, with any necessary adjustments being made to the evaluation results, including the rank of the bid vis-à-vis other bids.

If no substitute is proposed the Contracting Authority will set aside the bid and give it no further consideration.

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

b) Certification of Language – English Essential

By submitting a bid, the Bidder certifies that, should it be awarded a contract as result of the bid solicitation, every individual proposed in its bid will be fluent in English. The individual(s) proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

c) Submission of Only One Bid

By submitting a bid, the Bidder is certifying that it does not consider itself to be related to any other bidder.

PART 6 - SECURITY, FINANCIAL AND OTHER REQUIREMENTS

6.1 Security Requirement

- (a) At the date of bid closing, the following conditions must be met:
- (i) the Bidder must hold a valid organization security clearance as indicated in Part 7 - Resulting Contract Clauses;
 - (ii) the Bidder's proposed individuals requiring access to classified or protected information, assets or sensitive work site(s) must meet the security requirement as indicated in Part 7 - Resulting Contract Clauses; and
 - (iii) the Bidder must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites.
 - (iv) the Bidder's proposed location of work performance or document safeguarding must meet the security requirement as indicated in Part 7 – Resulting Contract Clauses;
 - (v) the bidder must provide the address(es) of proposed location(s) of work performance or document safeguarding as indicated in Part 3 – Section IV Additional Information.
- (b) For additional information on security requirements, Bidders should refer to consult the Canadian Industrial Security Directorate (CISD), Industrial Security Program of Public Works and Government Services Canada (<http://ssi-iss.tpsgc-pwgsc.gc.ca/index-eng.html>) website.
- (c) In the case of a joint venture Bidder, each member of the joint venture must meet the security requirements.

6.2 Financial Capability

- (a) SACC Manual clause A9033T (2012-07-16) Financial Capability applies, except that subsection 3 is deleted and replaced with the following: "If the Bidder is a subsidiary of another company, then any financial information required by the Contracting Authority in 1(a) to (f) must be provided by each level of parent company, up to and including the ultimate parent company. The financial information of a parent company does not satisfy the requirement for the provision of the financial information of the Bidder; however, if the Bidder is a subsidiary of a company and, in the normal course of business, the required financial information is not generated separately for the subsidiary; the financial information of the parent company must be provided. If Canada determines that the Bidder is not financially capable but the parent company is, or if Canada is unable to perform a separate assessment of the Bidder's financial capability because its financial information has been combined with its parent's, Canada may, in its sole discretion, award the contract to the Bidder on the condition that the parent company grant a performance guarantee to Canada."
- (b) In the case of a joint venture bidder, each member of the joint venture must meet the financial capability requirements.

6.3 Controlled Goods Requirement

- (a) SACC Manual clause A9130T (2014-11-27), Controlled Goods Program
- (b) In the case of a joint venture bidder, each member of the joint venture must meet the requirements of the Controlled Goods Program.

PART 7 - RESULTING CONTRACT CLAUSES

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

7.1 Requirement

- (a) _____ (the "**Contractor**") agrees to supply to the Client the services described in the Contract, including the Statement of Work, in accordance with, and at the prices set out in, the Contract. This includes providing professional services as and when requested by Canada, to one or more locations to be designated by Canada, excluding any locations in areas subject to any of the Comprehensive Land Claims Agreements.
- (b) **Client:** Under the Contract, the "**Client**" is the **Department of National Defence, Defence Research & Development Canada (DRDC)**.
- (c) **Reorganization of Client:** The Contractor's obligation to perform the Work will not be affected by (and no additional fees will be payable as a result of) the renaming, reorganization, reconfiguration, or restructuring of any Client. The reorganization, reconfiguration and restructuring of the Client includes the privatization of the Client, its merger with another entity, or its dissolution, where that dissolution is followed by the creation of another entity or entities with mandates similar to the original Client. In connection with any form of reorganization, Canada may designate another department or government body as the Contracting Authority or Project Authority, as required to reflect the new roles and responsibilities associated with the reorganization.
- (d) **Defined Terms:** Words and expressions defined in the General Conditions or Supplemental General Conditions and used in the Contract have the meanings given to them in the General Conditions or Supplemental General Conditions. Any reference to an Identified User in the Supply Arrangement is a reference to the Client. Also, any reference to a "deliverable" or "deliverables" includes all documentation outlined in this Contract. A reference to a "local office" of the Contractor means an office having at least one full time employee that is not a shared resource working at that location.

7.2 Task Authorization

- (a) **As-and-when-requested Task Authorizations:** 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. The Contractor must not commence work until a validly issued TA has been issued by Canada and received by the Contractor. The Contractor acknowledges that any work performed before such issuance and receipt will be done at the Contractor's own risk.
- (b) **Assessment of Resources Proposed at TA Stage:** Processes for issuing, responding to and assessing Task Authorizations are further detailed in Appendices A, B, C and D of Annex A.
- (c) **Form and Content of draft Task Authorization:**
 - (i) The DND Procurement Representative will provide the Contractor with a description of the task using the "DND 626, Task Authorization Form".
 - (ii) The draft Task Authorization will contain the details of the activities to be performed, and must also contain the following information:
 - (A) the task number;
 - (B) The date by which the Contractor's response must be received (which will appear in the draft Task Authorization, but not the issued Task Authorization);
 - (C) the details of any financial coding to be used;
 - (D) the categories of resources and the number required;

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- (E) a description of the work for the task outlining the activities to be performed and identifying any deliverables (such as reports);
 - (F) the start and completion dates;
 - (G) milestone dates for deliverables and payments (if applicable);
 - (H) the number of person-days of effort required;
 - (I) whether the work requires on-site activities and the location;
 - (J) the language profile of the resources required;
 - (K) the level of security clearance required of resources;
 - (L) the price payable to the Contractor for performing the task, with an indication of whether it is a firm price or a maximum TA price (and, for maximum price task authorizations, the TA must indicate how the final amount payable will be determined; where the TA does not indicate how the final amount payable will be determined, the amount payable is the amount, up to the maximum, that the Contractor demonstrates was actually worked on the project, by submitting time sheets filled in at the time of the work by the individual resources to support the charges); and
 - (M) any other constraints that might affect the completion of the task.
- (d) **Contractor's Response to Draft Task Authorization:** The Contractor must provide to the DND Procurement Representative, within 2 working days of receiving the draft Task Authorization (or within any longer time period specified in the draft TA), the proposed total price for performing the task and a breakdown of that cost, established in accordance with the Basis of Payment specified in the Contract. The Contractor's quotation must be based on the rates set out in the Contract. The Contractor will not be paid for preparing or providing its response or for providing other information required to prepare and validly issue the TA.
- (e) **Task Authorization Limit and Authorities for Validly Issuing Task Authorizations:**
To be validly issued, a TA must include the following signatures:
- (i) for any TA, inclusive of revisions, with a value less than or equal to **\$250,000.00** (including Applicable Taxes), the TA must be signed by the DND Procurement Representative; and
 - (ii) for any TA with a value greater than this amount, a TA must be signed by the DND Procurement Representative and Contracting Authority.
- Any TA that does not bear the appropriate signature(s) is not validly issued by Canada. Any work performed by the Contractor without receiving a validly issued TA is done at the Contractor's own risk. If the Contractor receives a TA that is not appropriately signed, the Contractor must notify the Contracting Authority. By providing written notice to the Contractor, the Contracting Authority may suspend the Client's ability to issue TA's at any time, or reduce the dollar value threshold described in subarticle (i) above; any suspension or reduction notice is effective upon receipt.
- (f) **Administration of Task Authorization Process for DND:** The administration of the Task Authorization process will be carried out by the DND procurement representative. This process includes monitoring, controlling and reporting on expenditures of the contract with task authorizations to the Contracting Authority.
- (g) **Periodic Usage Reports:**
- (i) The Contractor must compile and maintain records on its provision of services to the federal government under Task Authorizations validly issued under the Contract. The Contractor must provide this data to Canada in accordance with the reporting requirements detailed below. 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. From time to time, the Contracting Authority may also require an interim report during a reporting period.

(ii) The quarterly periods are defined as follows:

- (A) 1st quarter: April 1 to June 30;
- (B) 2nd quarter: July 1 to September 30;
- (C) 3rd quarter: October 1 to December 31; and
- (D) 4th quarter: January 1 to March 31.

The data must be submitted to the Contracting Authority no later than 10 calendar days after the end of the reporting period.

(iii) Each report must contain the following information for each validly issued TA (as amended):

- (A) the Task Authorization number and the Task Authorization Revision number(s), if applicable;
- (B) a title or a brief description of each authorized task;
- (C) the name, Resource category and level of each resource involved in performing the TA, as applicable;
- (D) the total estimated cost specified in the validly issued TA of each task, exclusive of Applicable Taxes;
- (E) the total amount, exclusive of Applicable Taxes, expended to date against each authorized task;
- (F) the start and completion date for each authorized task; and
- (G) the active status of each authorized task, as applicable (e.g., indicate whether work is in progress or if Canada has cancelled or suspended the TA, etc.).

(iv) Each report must also contain the following cumulative information for all the validly issued TA's (as amended):

- (A) 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 validly issued TA's; and
- (B) the total amount, exclusive of Applicable Taxes, expended to date against all validly issued TA's.

(h) **Consolidation of TA's for Administrative Purposes:** The Contract may be amended from time to time to reflect all validly issued Task Authorizations to date, to document the Work performed under those TA's for administrative purposes.

7.3 Minimum Work Guarantee

(a) In this clause,

- (i) **"Maximum Contract Value"** means the amount specified in the **"Limitation of Expenditure"** clause set out in the Contract (excluding Applicable Taxes); and
- (ii) **"Minimum Contract Value"** means 3 % of the Maximum Contract Value on the date the contract is first issued.

(b) Canada's obligation under the Contract is to request Work in the amount of the Minimum Contract Value or, at Canada's option, to pay the Contractor at the end of the Contract in accordance with subarticle (c), subject to subarticle (d). In consideration of such obligation, the Contractor agrees

to stand in readiness throughout the Contract Period to perform the Work described in the Contract. Canada's maximum liability for work performed under the Contract must not exceed the Maximum Contract Value, unless an increase is authorized in writing by the Contracting Authority.

- (c) In the event that Canada does not request work in the amount of the Minimum Contract Value during the Contract Period, Canada must pay the Contractor the difference between the Minimum Contract Value and the total cost of the Work requested.
- (d) Canada will have no obligation to the Contractor under this article if Canada terminates the entire Contract
 - (i) for default;
 - (ii) for convenience as a result of any decision or recommendation of a tribunal or court that the contract be cancelled, re-tendered or awarded to another supplier; or
 - (iii) for convenience within ten business days of Contract award.

7.4 Standard Clauses and Conditions

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

(a) **General Conditions:**

- (i) 2035 (2015-07-03), General Conditions - Higher Complexity - Services, apply to and form part of the Contract.

With respect to Section 30 - Termination for Convenience, of General Conditions 2035, Subsection 04 is deleted and replaced with the following Subsections 04, 05 and 06:

- 4. The total of the amounts, to which the Contractor is entitled to be paid under this section, together with any amounts paid, due or becoming due to the Contractor must not exceed the Contract Price.
- 5. Where the Contracting Authority terminates the entire Contract and the Articles of Agreement include a Minimum Work Guarantee, the total amount to be paid to the Contractor under the Contract will not exceed the greater of:
 - (a) the total amount the Contractor may be paid under this section, together with any amounts paid, becoming due other than payable under the Minimum Revenue Guarantee, or due to the Contractor as of the date of termination, or
 - (b) the amount payable under the Minimum Work Guarantee, less any amounts paid, due or otherwise becoming due to the Contractor as of the date of termination.
- 6. The Contractor will have no claim for damages, compensation, loss of profit, allowance arising out of any termination notice given by Canada under this section except to the extent that this section expressly provides. The Contractor agrees to repay immediately to Canada the portion of any advance payment that is unliquidated at the date of the termination.

(b) **Supplemental General Conditions:**

The following Supplemental General Conditions:

- (i) 4002 (2010-08-16), Supplemental General Conditions - Software Development or Modification Services;
- (ii) 4007 (2010-08-16), Supplemental General Conditions - Canada to Own Intellectual Property Rights in Foreground Information;

apply to and form part of the Contract.

(c) **Non-Disclosure Agreement**

The Contractor must obtain from its employee(s) or subcontractor(s) the completed and signed Non-Disclosure Agreement, attached at Annex D, and provide it to the Project Authority before they are given access to information by or on behalf of Canada in connection with the Work.

7.5 Security Requirement

The following security requirement (SRCL and related clauses) as set out under Annex "B" to the Supply Arrangement applies to and forms part of the Contract.

- (a) The Contractor must, at all times during the performance of the Contract, hold a valid Facility Security Clearance at the level of **SECRET** with approved Document Safeguarding Capability (DSC) at the level of **SECRET** issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
- (b) The Contractor personnel requiring access to **CLASSIFIED** information, assets or sensitive work site(s) must **EACH** hold a valid personnel security screening at the level **SECRET granted or approved by the CISD/PWGSC**.
- (c) The Contractor **MUST NOT** utilize its information Technology systems to electronically process, produce or store any sensitive **CLASSIFIED** information until CISD/PWGSC has issued written approval. After approval has been granted, these tasks may be performed at the level of **SECRET**.
- (d) Subcontracts which contain security requirements are **NOT** to be awarded without the prior written permission of CISD/PWGSC.
- (e) 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.
- (f) The Contractor must comply with the provisions of the:
 - (i) Security Requirements Check List and security guide (if applicable), attached at Annex "C";
 - (ii) *Industrial Security Manual (Latest Edition)*.

Contractor's Site(s) or Premises Requiring Safeguarding Measures

The Contractor must diligently maintain up-to-date, the information related to the Contractor's and individual(s) site(s) or premises, where safeguarding measures are required in the performance of the Work, for the following addresses:

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

The Company Security Officer (CSO) must ensure through the Industrial Security Program (ISP) that the Contractor and individual(s) hold a valid security clearance at the required level.

7.6 Contract Period

- (a) The "**Contract Period**" is the entire period of time during which the Contractor is obliged to perform the Work, which includes:
 - (i) The "**Initial Contract Period**", which begins on the date the Contract is awarded and ends one year later; and
 - (ii) The period during which the Contract is extended, if Canada chooses to exercise any options set out in the Contract.

(b) **Option to Extend the Contract:**

- (i) The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to four additional one-year periods under the same terms and conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions set out in the Basis of Payment.
- (ii) Canada may exercise this option at any time by sending a written notice to the Contractor 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.

7.7 Authorities

(a) **Contracting Authority**

The Contracting Authority for the Contract is:

Name: **Roxane Baker**
Title: Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
Directorate: Informatics and Telecommunications Systems Procurement Directorate
Address: 11 Laurier St., Gatineau, Québec
Telephone: (819) 956-1105
Facsimile: (819) 956-1207
E-mail address: roxane.baker@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.

(b) **Project Authority**

The Project Authority for the Contract is:

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

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

(c) **DND Procurement Representative**

The DND Procurement Representative for the Contract is:

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

The DND Procurement Representative 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 administrative aspects of the Work under the Contract, communication with PWGSC Contracting Authority on all matters concerning the Contract, procurement initiation authority, and providing PWGSC reports on Contract utilization. Technical matters may be discussed with the DND Procurement Representative; however, the DND Procurement Representative 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.

(d) Contractor's Representative

The Contractor's Representative is:

Note to Bidders: *The Contractor's Representative, Project Authority, and DND Procurement Representative and contact information will be identified at the time of contract award.*

7.8 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 web sites as part of the published proactive disclosure reports, in accordance with Contracting Policy Notice: 2012-2 of the Treasury Board Secretariat of Canada.

7.9 Payment

(a) Basis of Payment

- (i) **Professional Services provided under a Task Authorization with a Maximum Price:** For professional services requested by Canada, in accordance with a validly issued Task Authorization, Canada will pay the Contractor, in arrears, up to the Maximum Price for the TA, for actual time worked and any resulting deliverables in accordance with the firm all-inclusive per diem rates set out in Annex B, Basis of Payment, Applicable Taxes extra. Partial days will be prorated based on actual hours worked based on a 7.5-hour workday.

Estimated Cost: \$ _____

- (ii) **Travel and Living Expenses – National Joint Council Travel Directive** The Contractor will be reimbursed its authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for profit and/or administrative overhead, in accordance with the meal, private vehicle and incidental expenses provided in Appendices B, C and D of the National Joint Council Travel Directive and with the other provisions of the directive referring to “travellers”, rather than those referring to “employees”. All travel must have the prior authorization of the Project Authority. Travel requests will only be considered for a work location which is located more than 100 kilometers from the National Capital Region. The Contractor will be paid for actual time spent travelling at half the hourly rate. The hourly rate will be determined by dividing the firm per diem rate set out in Annex B by 7.5 hours. All payments are subject to government audit.

Estimated Cost: \$ _____

- (iii) **Competitive Award:** The Contractor acknowledges that the Contract has been awarded as a result of a competitive process. No additional charges will be allowed to compensate for errors, oversights, misconceptions or underestimates made by the Contractor when bidding for the Contract.

- (iv) **Professional Services Rates:** In Canada's experience, bidders from time to time propose rates at the time of bidding for one or more Resource Categories that they later refuse to honour, on the basis that these rates do not allow them to recover their own costs and/or make a profit. This denies Canada of the benefit of the awarded contract. If the Contractor does not respond or refuses to provide an individual with the qualifications described in the Contract within the time described in the Contract (or proposes instead to provide someone from an alternate category at a different rate), whether or not Canada terminates the Contract as a whole or in part or chooses to exercise any of the rights provided to it under the general conditions, Canada may impose sanctions or take other measures in accordance with the PWGSC Vendor Performance Corrective Measure Policy (or equivalent) then in effect, which measures may include an assessment that results in conditions applied against the Contractor to be fulfilled before doing further business with Canada, or full debarment of the Contractor from bidding on future requirements.

(b) Limitation of Expenditure – Cumulative Total of all Task Authorizations

- (i) Canada's total liability to the Contractor under the Contract for all validly issued Task Authorizations (TAs), inclusive of any revisions, must not exceed the amount set out on page 1 of the Contract, less any Applicable taxes. With respect to the amount set out on page 1 of the Contract, Customs duties are included and Applicable Taxes are included
- (ii) No increase in the total liability of Canada will be authorized or paid to the Contractor unless an increase has been approved, in writing, by the Contracting Authority.
- (iii) The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:
- (A) when it is 75 percent committed, or
- (B) 4 months before the contract expiry date, or
- (C) As soon as the Contractor considers that the sum is inadequate for the completion of the Work required in all authorized TAs, inclusive of any revisions, whichever comes first.
- (i) If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority a written estimate for the additional funds required. Providing this information does not increase Canada's liability.

(c) Method of Payment for Task Authorizations with a Maximum Price: For each Task Authorization validly issued under the Contract that contains a maximum price:

- (i) Canada will pay the Contractor no more frequently than once a month in accordance with the Basis of Payment. The Contractor must submit time sheets for each resource showing the days and hours worked to support the charges claimed in the invoice.
- (ii) Once Canada has paid the maximum TA price, Canada will not be required to make any further payment, but the Contractor must complete all the work described in the TA, all of which is required to be performed for the maximum TA price. If the work described in the TA is completed in less time than anticipated, and the actual time worked (as supported by the time sheets) at the rates set out in the Contract is less than the maximum TA price, Canada is only required to pay for the time spent performing the work related to that TA.

(d) Time Verification

Time charged and the accuracy of the Contractor's time recording system are subject to verification by Canada, before or after payment is made to the Contractor. If verification is done after payment, the Contract must repay any overpayment, at Canada's request.

(e) **Payment Credits**

(i) **Failure to Provide Resource:**

- (A) If the Contractor does not provide a required professional services resource that has all the required qualifications within the time prescribed by the Contract, the Contractor must credit to Canada an amount equal to the per diem rate (based on a 7.5-hour workday) of the required resource for each day (or partial day) of delay in providing the resource, up to a maximum of 10 days.
- (B) **Corrective Measures:** If credits are payable under this Article for two consecutive months or for three months in any 12-month period, the Contractor must submit a written action plan describing measures it will implement or actions it will undertake to eliminate the recurrence of the problem. The Contractor will have five working days to deliver the action plan to the Client and the Contracting Authority and 20 working days to rectify the underlying problem.
- (C) **Termination for Failure to Meet Availability Level:** In addition to any other rights it has under the Contract, Canada may terminate the Contract for default in accordance with the General Conditions by giving the Contractor three months' written notice of its intent, if any of the following apply:
- (1) the total amount of credits for a given monthly billing cycle reach a level of 10% of the total billing for that month; or
 - (2) the corrective measures required of the Contractor described above are not met.

This termination will be effective when the three month notice period expires, unless Canada determines that the Contractor has implemented the corrective measures to Canada's satisfaction during those three months.

- (ii) **Credits Apply during Entire Contract Period:** The Parties agree that the credits apply throughout the Contract Period.
- (iii) **Credits represent Liquidated Damages:** The Parties agree that the credits are liquidated damages and represent their best pre-estimate of the loss to Canada in the event of the applicable failure. No credit is intended to be, nor will it be construed as, a penalty.
- (iv) **Canada's Right to Obtain Payment:** The Parties agree that these credits are a liquidated debt. To collect the credits, Canada has the right to hold back, draw back, deduct or set off from and against any money Canada owes to the Contractor from time to time.
- (v) **Canada's Rights & Remedies not Limited:** The Parties agree that nothing in this Article limits any other rights or remedies to which Canada is entitled under the Contract (including the right to terminate the Contract for default) or under the law generally.
- (vi) **Audit Rights:** The Contractor's calculation of credits under the Contract is subject to verification by government audit, at the Contracting Authority's discretion, before or after payment is made to the Contractor. The Contractor must cooperate fully with Canada during the conduct of any audit by providing Canada with access to any records and systems that Canada considers necessary to ensure that all credits have been accurately credited to Canada in the Contractor's invoices. If an audit demonstrates that past invoices contained errors in the calculation of the credits, the Contractor must pay to Canada the amount the audit reveals was required to be credited to Canada, plus interest, from the date Canada remitted the excess payment until the date of the refund (the interest rate is the Bank of Canada's discount annual rate of interest in effect on the date the credit was first owed to Canada, plus 1.25% per year). If, as a result of conducting an audit, Canada determines that the Contractor's records or systems for

identifying, calculating or recording the credits are inadequate, the Contractor must implement any additional measures required by the Contracting Authority.

(f) No Responsibility to Pay for Work not performed due to Closure of Government Offices

- (i) Where the Contractor, its employees, subcontractors, or agents are providing services on government premises under the Contract and those premises are inaccessible because of the evacuation or closure of government offices, and as a result no work is performed, Canada is not responsible for paying the Contractor for work that otherwise would have been performed if there had been no evacuation or closure.
- (ii) If, as a result of any strike or lock-out, the Contractor or its employees, subcontractors or agents cannot obtain access to government premises and, as a result, no work is performed, Canada is not responsible for paying the Contractor for work that otherwise would have been performed if the Contractor had been able to gain access to the premises.

7.10 Invoicing Instructions

- (a) The Contractor must submit invoices in accordance with the information required in the General Conditions.
- (b) The Contractor's invoice must include a separate line item for each subparagraph in the Basis of Payment provision, and must show all applicable Task Authorization numbers.
- (c) By submitting invoices, the Contractor is certifying that the goods and services have been delivered and that all charges are in accordance with the Basis of Payment provision of the Contract, including any charges for work performed by subcontractors.
- (d) The Contractor must provide the original and two copies of each invoice to the Project Authority, and a copy to the Contracting Authority.

7.11 Certifications

- (a) The continuous compliance with the certifications provided by the Contractor in its bid, any TA quotation and the ongoing cooperation in providing associated information are conditions of the Contract. Certifications are subject to verification by Canada during the entire Contract Period. If the Contractor does not comply with any certification, or fails to provide the associated information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

7.12 Federal Contractors Program for Employment Equity - Default by 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.

7.13 Copyright in Material

- (a) In this section, "Material" means anything that is created by the Contractor as part of the Work under the Contract that is required by the Contract to be delivered to Canada and in which copyright subsists, excluding any computer software code and all documentation manuals or guides intended to assist end users or technicians in respect of that code. "Material" does not include anything created by the Contractor before the award date of the Contract.
- (b) Copyright in the Material belongs to Canada and the Contractor must include the copyright symbol and either of the following notice on the Material: © Her Majesty the Queen in right of Canada (year) or © Sa Majesté la Reine du chef du Canada (année).

- (c) The Contractor must not use, copy, divulge or publish any Material except as is necessary to perform the Contract. The Contractor must execute any conveyance and other documents relating to copyright in the Material as Canada may require.
- (d) The Contractor must provide at the request of Canada a written permanent waiver of moral rights, in a form acceptable to Canada, from every author that contributed to the Material. If the Contractor is the author of the Material, the Contractor permanently waives its moral rights in the Material.

7.14 Applicable Laws

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

7.15 Priority of Documents

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

- (a) these Articles of Agreement, including any individual SACC clauses incorporated by reference in these Articles of Agreement;
- (b) Supplemental General Conditions, in the following order:
 - (i) 4002 (2010-08-16), Supplemental General Conditions - Software Development or Modification Services;
 - (ii) 4007 (2010-08-16), Supplemental General Conditions - Canada to Own Intellectual Property Rights in Foreground Information;
- (c) General Conditions 2035 (2015-07-03), General Conditions – Higher Complexity - Services;
- (d) Annex A, Statement of Work - Annex including its Appendices as follows:
 - (i) Appendix A to Annex A - Tasking Assessment Procedure;
 - (ii) Appendix B to Annex A - Task Authorization (TA) Form;
 - (iii) Appendix C to Annex A - Resource Assessment Criteria and Response Table;
 - (iv) Appendix D to Annex A - Certifications at the TA stage;
- (e) Annex B, Basis of Payment;
- (f) Annex C, Security Requirements Check List ;
- (g) the validly issued Task Authorizations and any required certifications (including all of their annexes, if any);
- (h) Supply Arrangement Number EN578-055605/xxx/EI (the "Supply Arrangement"); and
- (i) the Contractor's bid dated _____ (*insert date of bid*), as clarified on "or" as amended _____ (*insert date(s) of clarification(s) or amendment(s) if applicable.*)

7.16 Defence Contract

- (a) SACC Manual clause A9006C (2012-07-16) Defence Contract

7.17 Foreign Nationals (Canadian Contractor)

- (a) SACC Manual clause A2000C (2006-06-16) Foreign Nationals (Canadian Contractor)

Note to Bidders: *Either this clause or the one that follows, whichever applies (based on whether the successful bidder is a Canadian Contractor or Foreign Contractor), will be included in any resulting contract.*

7.18 Foreign Nationals (Foreign Contractor)

- (a) SACC Manual clause A2001C (2006-06-16) Foreign Nationals (Foreign Contractor)

7.19 Insurance Requirements

(a) **Compliance with Insurance Requirements**

- (i) The Contractor must comply with the insurance requirements specified in this Article. The Contractor must maintain the required insurance coverage for the duration of the Contract. Compliance with the insurance requirements does not release the Contractor from or reduce its liability under the Contract.
- (ii) The Contractor is responsible for deciding if additional insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any additional insurance coverage is at the Contractor's expense, and for its own benefit and protection.
- (iii) The Contractor should forward to the Contracting Authority within ten (10) days after the date of award of the Contract a Certificate of Insurance evidencing the insurance coverage. Coverage must be placed with an Insurer licensed to carry out business in Canada and the Certificate of Insurance must confirm that the insurance policy complying with the requirements is in force. If the Certificate of Insurance has not been completed and submitted as requested, the Contracting Authority will so inform the Contractor and provide the Contractor with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within the time period will constitute a default under the General Conditions. The Contractor must, if requested by the Contracting Authority, forward to Canada a certified true copy of all applicable insurance policies.

(b) **Commercial General Liability Insurance**

- (i) The Contractor must obtain Commercial General Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$2,000,000 per accident or occurrence and in the annual aggregate.
- (ii) The Commercial General Liability policy must include the following:
- (A) Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada should read as follows: Canada, as represented by Public Works and Government Services Canada.
- (B) Bodily Injury and Property Damage to third parties arising out of the operations of the Contractor.
- (C) Products and Completed Operations: Coverage for bodily injury or property damage arising out of goods or products manufactured, sold, handled, or distributed by the Contractor and/or arising out of operations that have been completed by the Contractor.
- (D) Personal Injury: While not limited to, the coverage must include Violation of Privacy, Libel and Slander, False Arrest, Detention or Imprisonment and Defamation of Character.
- (E) Cross Liability/Separation of Insured: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.

- (F) Blanket Contractual Liability: The policy must, on a blanket basis or by specific reference to the Contract, extend to assumed liabilities with respect to contractual provisions.
 - (G) Employees and, if applicable, Volunteers must be included as Additional Insured.
 - (H) Employers' Liability (or confirmation that all employees are covered by Worker's compensation (WSIB) or similar program)
 - (I) Broad Form Property Damage including Completed Operations: Expands the Property Damage coverage to include certain losses that would otherwise be excluded by the standard care, custody or control exclusion found in a standard policy.
 - (J) Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of policy cancellation.
 - (K) If the policy is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.
 - (L) Owners' or Contractors' Protective Liability: Covers the damages that the Contractor becomes legally obligated to pay arising out of the operations of a subcontractor.
 - (M) Advertising Injury: While not limited to, the endorsement must include coverage for piracy or misappropriation of ideas, or infringement of copyright, trademark, title or slogan.
- (c) **Errors and Omissions Liability Insurance**
- (i) The Contractor must obtain Errors and Omissions Liability (a.k.a. Professional Liability) insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature but for not less than \$1,000,000 per loss and in the annual aggregate, inclusive of defence costs.
 - (ii) If the Professional Liability insurance is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.
 - (iii) The following endorsement must be included:

Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of cancellation.

7.20 Controlled Goods Program

- (a) SACC Manual clause A9131C (2014-11-27) Controlled Goods Program
- (b) SACC Manual clause B4060C (2011-05-16) Controlled Goods

7.21 Limitation of Liability - Information Management/Information Technology

- (a) This section applies despite any other provision of the Contract and replaces the section of the general conditions entitled "Liability". Any reference in this section to damages caused by the Contractor also includes damages caused by its employees, as well as its subcontractors, agents, and representatives, and any of their employees. This section applies regardless of whether the claim is based in contract, tort, or another cause of action. The Contractor is not liable to Canada with respect to the performance of or failure to perform the Contract, except as described in this section and in any section of the Contract pre-establishing any liquidated damages. The Contractor is only liable for indirect, special or consequential damages to the extent described in this Article, even if it has been made aware of the potential for those damages.

(b) **First Party Liability:**

- (i) The Contractor is fully liable for all damages to Canada, including indirect, special or consequential damages, caused by the Contractor's performance or failure to perform the Contract that relate to:
 - (A) any infringement of intellectual property rights to the extent the Contractor breaches the section of the General Conditions entitled "Intellectual Property Infringement and Royalties";
 - (B) physical injury, including death.
- (ii) The Contractor is liable for all direct damages caused by the Contractor's performance or failure to perform the Contract affecting real or tangible personal property owned, possessed, or occupied by Canada.
- (iii) Each of the Parties is liable for all direct damages resulting from any breach of confidentiality under the Contract. Each of the Parties is also liable for all indirect, special or consequential damages in respect of any unauthorized disclosure of the other Party's trade secrets (or trade secrets of a third party provided by one Party to another under the Contract) relating to information technology.
- (iv) The Contractor is liable for all direct damages relating to any encumbrance or claim relating to any portion of the Work for which Canada has made any payment. This does not apply to encumbrances or claims relating to intellectual property rights, which are addressed under (i)(A) above.
- (v) The Contractor is also liable for any other direct damages to Canada caused by the Contractor's performance or failure to perform the Contract that relate to:
 - (A) any breach of the warranty obligations under the Contract, up to the total amount paid by Canada (including any applicable taxes) for the goods and services affected by the breach of warranty; and
 - (B) Any other direct damages, including all identifiable direct costs to Canada associated with re-procuring the Work from another party if the Contract is terminated either in whole or in part for default, up to an aggregate maximum for this subparagraph (B) of the greater of .75 times the total estimated cost (meaning the dollar amount shown on the first page of the Contract in the cell titled "Total Estimated Cost" or shown on each call-up, purchase order or other document used to order goods or services under this instrument), or \$1,000,000.00.

In any case, the total liability of the Contractor under subparagraph (v) will not exceed the total estimated cost (as defined above) for the Contract or \$1,000,000.00, whichever is more.
- (vi) If Canada's records or data are harmed as a result of the Contractor's negligence or willful act, the Contractor's only liability is, at the Contractor's own expense, to restore Canada's records and data using the most recent back-up kept by Canada. Canada is responsible for maintaining an adequate back-up of its records and data

(c) **Third Party Claims:**

- (i) Regardless of whether a third party makes its claim against Canada or the Contractor, each Party agrees that it is liable for any damages that it causes to any third party in connection with the Contract as set out in a settlement agreement or as finally determined by a court of competent jurisdiction, where the court determines that the Parties are jointly and severally liable or that one Party is solely and directly liable to the third party. The amount of the liability will be the amount set out in the settlement agreement or determined by the court to have been the Party's portion of the damages to

the third party. No settlement agreement is binding on a Party unless its authorized representative has approved the agreement in writing.

- (ii) If Canada is required, as a result of joint and several liability or joint and solidarily liable, to pay a third party in respect of damages caused by the Contractor, the Contractor must reimburse Canada by the amount finally determined by a court of competent jurisdiction to be the Contractor's portion of the damages to the third party. However, despite Sub-article (i), with respect to special, indirect, and consequential damages of third parties covered by this Section, the Contractor is only liable for reimbursing Canada for the Contractor's portion of those damages that Canada is required by a court to pay to a third party as a result of joint and several liability that relate to the infringement of a third party's intellectual property rights; physical injury of a third party, including death; damages affecting a third party's real or tangible personal property; liens or encumbrances on any portion of the Work; or breach of confidentiality.
- (iii) The Parties are only liable to one another for damages to third parties to the extent described in this Sub-article (c).

7.22 Joint Venture Contractor

- (a) The Contractor confirms that the name of the joint venture is [REDACTED] and that it is comprised of the following members: *[list all the joint venture members named in the Contractor's original bid]*.
- (b) With respect to the relationship among the members of the joint venture Contractor, each member agrees, represents and warrants (as applicable) that:
 - (i) [REDACTED] has been appointed as the "representative member" of the joint venture Contractor and has fully authority to act as agent for each member regarding all matters relating to the Contract;
 - (ii) by giving notice to the representative member, Canada will be considered to have given notice to all the members of the joint venture Contractor; and
 - (iii) all payments made by Canada to the representative member will act as a release by all the members.
- (c) All the members agree that Canada may terminate the Contract in its discretion if there is a dispute among the members that, in Canada's opinion, affects the performance of the Work in any way.
- (d) All the members are jointly and severally or solidarily liable for the performance of the entire Contract.
- (e) The Contractor acknowledges that any change in the membership of the joint venture (i.e., a change in the number of members or the substitution of another legal entity for an existing member) constitutes an assignment and is subject to the assignment provisions of the General Conditions.
- (f) The Contractor acknowledges that all security and controlled goods requirements in the Contract, if any, apply to each member of the joint venture Contractor.

Note to Bidders: *This Article will be deleted if the bidder awarded the contract is not a joint venture. If the contractor is a joint venture, this clause will be completed with information provided in its bid.*

7.23 Professional Services - General

- (a) The Contractor must provide professional services on request as specified in this Contract. All resources provided by the Contractor must meet the qualifications described in the Contract (including those relating to previous experience, professional designation, education, language proficiency and security clearance) and must be competent to provide the required services by any delivery dates described in the Contract.

- (b) If the Contractor fails to deliver any deliverable (excluding delivery of a specific individual) or complete any task described in the Contract on time, in addition to any other rights or remedies available to Canada under the Contract or the law, Canada may notify the Contractor of the deficiency, in which case the Contractor must submit a written plan to the Project Authority within ten working days detailing the actions that the Contractor will undertake to remedy the deficiency. The Contractor must prepare and implement the plan at its own expense.
- (c) In General Conditions 2035, the Article titled "Replacement of Specific Individuals" is deleted and the following applies instead:

Replacement of Specific Individuals

- (i) If the Contractor is unable to provide the services of any specific individual identified in the Contract to perform the services, the Contractor must within five working days of the individual's departure or failure to commence Work (or, if Canada has requested the replacement, within ten working days of Canada's notice of the requirement for a replacement) provide to the Contracting Authority:
- (A) the name, qualifications and experience of a proposed replacement immediately available for Work; and
- (B) security information on the proposed replacement as specified by Canada, if applicable.
- The replacement must have qualifications and experience that meet or exceed those obtained for the original resource.
- (ii) Subject to an Excusable Delay, where Canada becomes aware that a specific individual identified under the Contract to provide services has not been provided or is not performing, the Contracting Authority may elect to:
- (A) exercise Canada's rights or remedies under the Contract or at law, including terminating the Contract in whole or in part for default under the Article titled "Default of the Contractor", or
- (B) assess the information provided under (c) (i) above or, if it has not yet been provided, require the Contractor propose a replacement to be rated by the Project Authority. The replacement must have qualifications and experience that meet or exceed those obtained for the original resource and be acceptable to Canada. Upon assessment of the replacement, Canada may accept the replacement, exercise the rights in (ii) (A) above, or require another replacement in accordance with this subarticle (c).
- Where an Excusable Delay applies, Canada may require (c) (ii) (B) above instead of terminating under the "Excusable Delay" Article. An Excusable Delay does not include resource unavailability due to allocation of the resource to another Contract or project (including those for the Crown) being performed by the Contractor or any of its affiliates.
- (iii) The Contractor must not, in any event, allow performance of the Work by unauthorized replacement persons. The Contracting Authority may order that an original or replacement resource stop performing the Work. In such a case, the Contractor must immediately comply with the order. The fact that the Contracting Authority does not order a resource to stop performing the Work does not relieve the Contractor from its responsibility to meet the requirements of the Contract.
- (iv) The obligations in this article apply despite any changes that Canada may have made to the Client's operating environment.

7.24 Safeguarding Electronic Media

- (a) Before using them on Canada's equipment or sending them to Canada, the Contractor must use a regularly updated product to scan electronically all electronic media used to perform the Work

for computer viruses and other coding intended to cause malfunctions. The Contractor must notify Canada if any electronic media used for the Work are found to contain computer viruses or other coding intended to cause malfunctions.

- (b) If magnetically recorded information or documentation is damaged or lost while in the Contractor's care or at any time before it is delivered to Canada in accordance with the Contract, including accidental erasure, the Contractor must immediately replace it at its own expense.

7.25 Representations and Warranties

The Contractor made statements regarding its own and its proposed resources' experience and expertise in its bid that resulted in the award of the Contract and the issuance of TA's. The Contractor represents and warrants that all those statements are true and acknowledges that Canada relied on those statements in awarding the Contract and adding work to it through TA's. The Contractor also represents and warrants that it has, and all its resources and subcontractors that perform the Work have, and at all times during the Contract Period they will have and maintain, the skills, qualifications, expertise and experience necessary to perform and manage the Work in accordance with the Contract, and that the Contractor (and any resources or subcontractors it uses) has previously performed similar services for other customers.

7.26 Access to Canada's Property and Facilities

Canada's property, facilities, equipment, documentation, and personnel are not automatically available to the Contractor. If the Contractor would like access to any of these, it is responsible for making a request to the Project Authority. Unless expressly stated in the Contract, Canada has no obligation to provide any of these to the Contractor. If Canada chooses, in its discretion, to make its property, facilities, equipment, documentation or personnel available to the Contractor to perform the Work, Canada may require an adjustment to the Basis of Payment and additional security requirements may apply.

7.27 Implementation

Implementation of Professional Services: If similar professional services are currently being provided by another supplier or by Canada's own personnel, the Contractor is responsible for ensuring that the transition to the professional services it provides under the Contract is completed in a way that does not disrupt Canada's operations or users, and does not result in any interim degradation to the timeliness or quality of service. The Contractor is solely responsible for any additional training required by its resources to perform the Work, and time spent by resources on that training or becoming familiar with the Client's environment must not be charged to Canada. The transition will be considered complete once the Contractor has demonstrated, to the satisfaction of the Project Authority that it is ready and able to carry out the Work. The transition must be complete by no later than 10 working days after the Contract is awarded. All costs associated with establishing itself to provide the professional services are the responsibility of the Contractor.

7.28 Identification Protocol Responsibilities

The Contractor will be responsible for ensuring that each of its agents, representatives or subcontractors (hereinafter referred to as Contractor Representatives) complies with the following self-identification requirements:

- (a) Contractor Representatives who attend a Government of Canada meeting (whether internal or external to Canada's offices) must identify themselves as Contractor Representatives prior to the commencement of the meeting, to ensure that each meeting participant is aware of the fact that the individual is not an employee of the Government of Canada;
- (b) During the performance of any Work at a Government of Canada site, each Contractor Representative must be clearly identified at all times as being a Contractor Representative; and
- (c) If a Contractor Representative requires the use of the Government of Canada's e-mail system in the performance of the Work, then the individual must clearly identify him or herself as an agent or subcontractor of the Contractor in all electronic mail in the signature block as well as under

"Properties." This identification protocol must also be used in all other correspondence, communication, and documentation.

- (d) If Canada determines that the Contractor is in breach of any obligation stated in this Article, upon written notice from Canada the Contractor must submit a written action plan describing corrective measures it will implement to eliminate the recurrence of the problem. The Contractor will have five working days to deliver the action plan to the Client and the Contracting Authority, and twenty working days to rectify the underlying problem.
- (e) In addition to any other rights it has under the Contract, Canada may terminate the Contract for default if the corrective measures required of the Contractor described above are not met.

ANNEX A
STATEMENT OF WORK

PROGRAM AND TECHNICAL SUPPORT SERVICES FOR THE TACTICAL NETWORK OPERATIONS
PROJECT OF THE CYBER OPERATIONS AND SIGNALS WARFARE SECTION

1. BACKGROUND

Military doctrine has long discussed the need for a capability that empowers commanders at the tactical edge of communications networks to make informed decisions based on high-quality situational awareness. Recent advances in commercial and military wireless networking technology are poised to make such a “power to the edge” capability a reality, making possible a future where tactical users have access to high-speed, dynamic, data networks to acquire and disseminate the information necessary to complete their missions. To defend and sustain these networks in contested environments, the Canadian Armed Forces (CAF) will require advanced network management and security solutions.

The Tactical Network Operations (TNO) project of the Defence Research & Development Canada (DRDC) addresses the need for future wireless network security and management through a balance of R&D activities. The near-term (horizon 1/2) component will be encompassed by the Tactical Edge Cyber Command and Control (TEC3 demonstrator), while the longer-term (horizon 2/3) activities will occur in the Advanced Mobile Network Operation (AMNO).

2. OBJECTIVE

The TNO project requires technical expertise and service support related to the TEC3 and AMNO projects.

3. SCOPE

The Contractor must, on an “as and when requested” basis, provide technical expertise and support services which include, but are not necessarily limited to, the following:

- Technical support to develop, test, integrate and build various applications and tools;
- Hardware and Software design for tactical cyber operations;
- Technical expertise in tactical and commercial communication protocols, network design, information systems security, programming handheld and tablet devices; and
- Developing software applications for the continued development of the analytical and scientific research components of the TNO project.

4. SERVICES REQUIRED

The Contractor must provide the services of the following resources on an “as and when requested” basis:

4.1 A.6. PROGRAMMER/SOFTWARE DEVELOPER, LEVEL 3: FIRMWARE SOFTWARE ENGINEER /DEVELOPER (MANET/ANDROID)

The Contractor must provide a wide range of Firmware Software Engineer /Developer support services to perform security software development and analysis to the TEC3 project for Cyber operations on a wireless mesh network (MANET). The resource will be working with radio hardware, Android operating system to control the radio, low level device drivers (access low level functions), programming routing protocols, and programming the Graphical User Interface (GUI). The hardware targeted for TEC3 includes: laptops; tablets; smart phones; and handheld devices with both external and internal radios.

The tasks to be performed by the Firmware Software Engineer / Developer include, but are not necessarily limited to, any combination or extent of the following:

- i. Write software in support of assigned tasks related to:
 - a. Low level Linux Kernel's and drivers;
 - b. Android system services;
 - c. Software modules inside the O/S (Windows / Linux / Android);
 - d. Firmware and software for software defined radio (SDR) (HackRF and BladeRF);
 - e. Modifying Wireless networking protocols (802.11);
 - f. Supporting creation of high level user apps for Android O/S;
- ii. Rapid integration: identify MANET compatible devices (laptop, tablets and handhelds), integrate these technologies with other COTS, free and open source software (FOSS) and GOTS radios and evaluate against TEC3 requirements including but not limited to:
 - a. Blade RF;
 - b. HackRF;
 - c. 802.11 devices;
- iii. Evaluate radio / tablet / phone hardware and integrate into the current TNO network test bed:
 - a. Hardware devices to support a MANET including but not limited to: Tablet, smart phone, laptops, tethered radio (military or civilian), heads up display and software defined radios;
 - b. Evaluate accessibility of hardware with respect to low level access to the device driver kit and low level (layer 1-3) protocols;
 - c. Evaluate commercial, open source, and government software apps for suitability against TEC3 requirements;
 - d. Write requirements for TEC radio/tablet/phone hardware and software integration;
- iv. Integrate Android phone/Tablet with Software Defined Radio (SDR) into TNO architecture (with internal or tethered radios);
- v. Write, develop and document:
 - a. Design documents;
 - b. Update and maintain the TEC3 Concept of Operations document;
 - c. Write tools that may enhance the execution and operational utility of TEC3
 - d. Write test scenarios for lab and field trials;
 - e. Write laboratory and field trial test plans;
 - f. Write and evaluate laboratory and field trial test results;
 - g. Write laboratory and field trial test reports;
- vi. Provide subject matter expertise advice and support to DRDC staff including independent verification and validation of TEC3 technology Demonstrator (TD) software deliverables;
- vii. Evaluate software and documentation of deliverables for completeness, coverage of requirements, technical accuracy, and compliance with standards;
- viii. Test TEC3 MANET apps and cyber defence apps, installation of MANET development lab, and evaluation against requirements;
- ix. Augment TEC3 TD delivery by identifying possible enhancements, then implementing these enhancements through coding, testing, and documenting as assigned;
- x. Provide first line debug support.

4.2 A.1 APPLICATION/SOFTWARE ARCHITECT, LEVEL 3: LEAD DEVELOPER (MANET/ANDROID)

The Lead Developer must provide technical support relating to the integration and interoperability of TEC3 MANET Android app and the radio network.

The Lead Developer must provide some software development, integration activities, system and component level evaluation of security software development and analysis support to the TEC3 project for cyber operations on a wireless mesh network (MANET). This work includes

performing evaluation of the radio (hardware), investigating operating systems to control the radio, and configuration of device drivers (access low level functions), programming routing protocols, and programming the GUI. The hardware targeted for TEC3 includes: laptops; tablets; Smart phones; and handheld devices with both external and internal radios.

The tasks to be performed by the Lead Developer include, but are not necessarily limited to, any combination or extent of the following:

- i. Develop rapid prototyping: identify Radio / Tablet / Phone and SDR technologies related to TEC3. Integrate these technologies with other COTS, FOSS and GOTS, and evaluate against TNO requirements. This includes but is not limited to:
 - a. Software analysis (Commercial, open source, and government): Evaluate suitability against TNO requirements;
 - b. Requirements gathering: review and document industry best practices and CAF government needs for TNO;
 - c. Integrate software and hardware devices to support a MANET including but not limited to: Tablet, Smartphone, laptops, tethered radios (military or civilian), heads up display, and software defined radios;
- ii. Software development in support of assigned tasks:
 - a. Software Modules inside the O/S;
 - b. Firmware for software defined radio (HackRF and BladeRF);
 - c. High level user apps;
 - d. Wireless networking protocols (802.11);
- iii. Test TEC3 MANET app, and cyber defence including:
 - a. Identification of existing apps;
 - b. MANET development lab installation;
 - c. Support the developers and designers in the integration and interoperability of the TEC3 MANET into the SDR platform;
 - d. Evaluate against requirements;
- iv. Develop and document:
 - a. Design documents;
 - b. Update and maintain the TEC3 Concept of Operations document;
 - c. Tools that may enhance the execution and operational utility of TEC3;
 - d. Laboratory and field trial test scenario and plans;
 - e. Laboratory and field trial test results;
 - f. Laboratory and field trial test reports;
- v. Provide subject matter expertise on hardware integration and software development regarding protocols, Android operating system standards and guidelines with regards to the overall system integration;
- vi. Augment TNO delivery by identifying possible enhancements, then implementing these enhancements through coding, testing, and documenting as assigned;
- vii. Oversee test equipment and lab for simulation, lab and field demonstrations;
- viii. Oversee the overall testing of the TNO network;
- ix. Provide first line debug support.

4.3 A.6. PROGRAMMER/SOFTWARE DEVELOPER, LEVEL 3: SOFTWARE PROGRAMME (MANET / EXATA SIMULATION)

The Software Programmer must design and implement software feature enhancements and integrate them on Exata/Cyber (a.k.a QualNet) simulation platform, based on the new algorithms or protocols proposed and developed in research projects.

The Software Programmer must design and develop web based GUI toolkits to demonstrate the behaviour and performance of the tactical MANETs, with focus on mobility, dynamic change in network topology, real-time secure routing and traffic analysis, etc.

The tasks to be performed by the Software Programmer include, but are not necessarily limited to, any combination or extent of the following:

- i. Design, implement and integrate software features on EXata platform:
 - a. Implement software architecture and code structure of the EXata simulator;
 - b. Develop and document a high level design and detailed design from the architecture for the software feature enhancement;
 - c. Write EXata code;
 - d. Perform unit and integration testing;
- ii. Document software features on EXata platform:
 - a. Write software development report;
 - b. Design scenarios and test runs;
 - c. Perform result data analysis and present results;
 - d. Design and implement interfaces and toolkit to feed the data into dynamic GUI display and demonstration environment;
 - e. Write test report, field trial test plan and report;
 - f. Write implementation document and user manual;
- iii. Web based GUI design and development:
 - a. Collect project requirements and technical specifications for GUI design;
 - b. Investigate and select the most effective and efficient method for the GUI development;
 - c. Implement the GUI toolkit in a platform independent manner (for now on MS Windows and Linux platform);
 - d. Integrate with EXata output data files;
- iv. Maintain software version and change traceability:
 - a. Maintain software version control in Apache Subversion (GFE);
 - b. Documentation and commenting of software;
- v. Provide first line debug support.

4.4 A.6. PROGRAMMER/SOFTWARE DEVELOPER, LEVEL 3: SOFTWARE ENGINEER FOR SDR

The Software Engineer for Software Defined Radio (SDR) must design and implement DSP algorithms, already developed with a high level programming language (e.g., Matlab), in C++ and Python programming languages for wireless communication systems such as 802.11, 802.16 or 3GPP LTE on software defined radio platform. This platform must integrate with the TEC3 and TNO projects. The Software Engineer for SDR must create a software testbed to verify, test and validate the designed DSP algorithms. The Software Engineer must design software interfaces with Graphical User Interface (GUI) and software modules for the control and communication with laboratory test equipment.

The tasks to be performed by the Software Engineer include, but are not necessarily limited to, any combination or extent of the following:

- i. Design, implement and integrate software as follows:
 - a. Design and implement DSP algorithms in C++ and Python programming languages for wireless communication systems such as 802.11, 802.16 or 3GPP LTE on a prototype SDR platform;
 - b. Design software interfaces with Graphical User Interface (GUI);
 - c. Design software modules for the control and communication with laboratory test equipment;
 - d. Create software testbed(s) to verify, test and validate the designed DSP algorithms;
- ii. Document the test scenarios and test plans for simulation testing, laboratory testing and field trial experiments;

- iii. Provide subject matter expertise on software development regarding protocols, standards and guidelines with regards to the overall system integration;
- iv. Oversee test equipment and lab for simulation, lab and field demonstrations;
- v. Oversee the overall testing of the algorithms;
- vi. Support the integration and interoperability of the SDR into the TEC3 MANET platform;
- vii. Provide technical support to the prototype during prototype demonstration, lab demonstrations and live exercises; and
- viii. Provide first line debug support.

4.5 **A.6. PROGRAMMER/SOFTWARE DEVELOPER, LEVEL 2: PROGRAMMER FOR LABORATORY APPLICATIONS**

The Programmer for Laboratory Applications must install or write low level driver software to interface laboratory test instrumentation or custom signal processing peripherals to Windows or Linux based computer systems. The Programmer must design software interfaces with Graphical User Interface (GUI) and software modules for the control and communication with laboratory test instrumentation and data collection equipment. The Programmer may be required to implement signal processing algorithms in C++ or Python programming languages for wireless communication applications on a Windows or Linux based platform.

The tasks to be performed by the Programmer include, but are not necessarily limited to, any combination or extent of the following:

- i. Design, implement and integrate software to:
 - a. Design and implementation of signal processing algorithms in C++ or Python for wireless communication applications on a Windows or Linux based platform;
 - b. Design software interfaces with Graphical User Interface (GUI);
 - c. Design software modules for the control and communication with laboratory test instrumentation and data collection equipment;
 - d. Create software test bed(s) to verify, test and validate the designed algorithms;
- ii. Document test scenarios and test plans for simulation testing, laboratory testing and field trial experiments;
- iii. Program test equipment for simulation, lab and field demonstrations;
- iv. Perform testing of the algorithms implemented;
- v. Provide technical support to the prototype equipment during demonstrations, and live exercises; and
- vi. Provide first line debug support for software written.

5. **DELIVERABLES**

The following apply to any documentation deliverables:

- a) Documentation deliverables must be written in English and provided in hard copy and electronic form in the Contractor's template;
- b) Reports and documents must be in MS Office Word, presentations must be in MS Office PowerPoint format;
- c) Source code and source documentation must be provided in a subversion concurrent versioning system unless otherwise specified by the Project Authority (PA).
- d) All unclassified documents must be delivered as e-mail attachments or electronic format (on CD or DVD); and
- e) All classified documents must include one hard copy and one copy in electronic format (on CD or DVD) and must be delivered using appropriate secure handling procedures.

6. CONSTRAINTS

The work will be performed under the following constraints:

- a) Prior to the Contractor including any background IP in the work to be performed under this Contract, the Contractor must identify the background IP and obtain approval from Defence R&D Canada – Ottawa for its use in the development of foreground IP;
- b) Source code deliverables must be in the programming language specified by the Project Authority. These languages include:
 - i. C and C++;
 - ii. EXata (Qualnet);
 - iii. Matlab; and
 - iv. Java;
- c) In accordance with DRDC requirements, all manuscripts for publication in scientific journals or the like; abstracts of oral presentations and any other releases that describe portions of Defence R&D Canada - Ottawa contract work or related information must be submitted for approval and release. In all approved cases, due reference to DND funding is to be specified.
- d) In the performance of the Contract resulting from this solicitation, the Contractor will have access to information and material which will result in placing it in a real or perceived conflict of interest or confer an unfair advantage upon it in respect of its participation in other future solicitations. In particular, the professional services rendered under this resulting Contract will disqualify the Contractor, its affiliated entities, employees, agents or subcontractors from participating in the Tactical Edge Cyber Command and Control (TEC3) solicitation number W7714-145970/B.

7. LANGUAGE OF WORK

All work must be in the English language.

8. TRAVEL

The Contractor may be required to travel to locations outside of the National Capital Region (NCR).

9. DOCUMENT SUBMISSION

All deliverables produced in performance of tasks assigned will be reviewed for quality and completeness by the Project Authority or their designated representative. All original documentation developed by the Contractor will be submitted in draft form for review and editing. Suggested and/or directed changes will be provided back to the Contractor for inclusion in the final document.

10. GOVERNMENT FURNISHED DOCUMENTS AND EQUIPMENT

The following resources will be provided to support the Contractor's performance of the work:

- a) Scientific studies and research reports related to the anticipated TEC3 and AMNO technology or delivered capability;
- b) Background or stakeholder reports that identify capability deficiencies to be addressed by the TEC3 TD or AMNO;
- c) Background software prototypes and source code; and
- d) Canada may provide up to 1 EXata license for the Contractor's resources as required.

11. PLACE OF WORK

Work must be conducted at the Contractor's premises.

The work will be conducted at the Contractor's facilities. The Contractor may be required to conduct demonstrations, trials, training and integration work at a DND facility within the NCR, to be specified within the Task Authorization.

APPENDIX A TO ANNEX A

TASKING ASSESSMENT PROCEDURE

1. Where a requirement for a specific task is identified, a draft Task Authorization Form (TA Form) as attached at Appendix B to Annex A will be provided to the Contractor [in accordance with the allocation methodology stated in the Contract Article titled "Allocation of Task Authorizations".] Once a draft TA Form is received, the Contractor must submit to the DND Procurement Representative a quotation of rates to supply the requested Resource Categories based on the information identified in the TA Form. The quotation must be signed and submitted to Canada within the time for response identified in the TA Form. The Contractor will be given a minimum of 48 hours turnaround time to submit a quotation.
2. For each proposed resource the Contractor must supply a résumé, the requested security clearance information and must complete the Response Tables at Appendix C of Annex A applicable to the Resource Categories identified in the draft TA. The same individual must not be proposed for more than one Resource Category. The résumés must demonstrate that each proposed individual meets the qualification requirements described (including any educational requirements, work experience requirements, and professional designation or membership requirements). With respect to the proposed resources:
 - (i) Proposed resources may be employees of the Contractor or employees of a subcontractor, or these individuals may be independent contractors to whom the Contractor would subcontract a portion of the Work. (Refer to Appendix D to Annex A, Certifications).
 - (ii) For educational requirements for a particular degree, designation or certificate, Canada will only consider educational programmes that were successfully completed by the resource before the date the draft TA was first issued to the Contractor.
 - (iii) For requirements relating to professional designation or membership, the resource must have the required designation or membership by the time of draft TA issuance and must continue, where applicable, to be a member in good standing of the profession or membership throughout the assessment period and Contract Period. Where the designation or membership must be demonstrated through a certification, diploma or degree, such document must be current, valid and issued by the entity specified in this Contract or if the entity is not specified, the issuer must have been an accredited or otherwise recognized body, institution or entity at the time the document was issued.
 - (iv) For work experience, Canada will not consider experience gained as part of an educational programme, except for experience gained through a formal co-operative programme at a post-secondary institution.
 - (v) For any requirements that specify a particular time period (e.g., 2 years) of work experience, Canada will disregard any information about experience if the résumé does not include the relevant dates (month and year) for the experience claimed (i.e., the start date and end date). Canada will evaluate only the duration that the resource actually worked on a project or projects (from his or her start date to end date), instead of the overall start and end date of a project or a combination of projects in which a resource has participated.
 - (vi) A résumé must not simply indicate the title of the individual's position, but must demonstrate that the resource has the required work experience by explaining the responsibilities and work performed by the individual while in that position. Only listing experience without providing any supporting data to describe responsibilities, duties and relevance to the requirement, or reusing the same wording as the TA Form, will not be considered "demonstrated" for the purposes of the assessment. The Contractor should provide complete details as to where, when, month and year, and how, through which activities/responsibilities, the stated qualifications / experience were obtained. In situations in which a proposed resource worked at the same time on more than one

project, the duration of any overlapping time period will be counted only once toward any requirements that relate to the individual's length of experience.

3. The qualifications and experience of the proposed resources will be assessed against the requirements set out in Appendix C to Annex A to determine each proposed resource's compliance with the mandatory and rated criteria. Canada may request proof of successful completion of formal training, as well as reference information. Canada may conduct reference checks to verify the accuracy of the information provided. If reference checks are done, they will be conducted in writing by e-mail (unless the contact at the reference is only available by telephone). Canada will not assess any points or consider a mandatory criterion met unless the response is received within 5 working days. On the third working day after sending out the e-mails, if Canada has not received a response, Canada will notify the Contractor by e-mail, to allow the Contractor to contact its reference directly to ensure that it responds to Canada within 5 working days. Wherever information provided by a reference differs from the information supplied by the Contractor, the information supplied by the reference will be the information assessed. Points will not be allocated or a mandatory criteria considered as met if the reference customer is not a customer of the Contractor itself (for example, the customer cannot be the customer of an affiliate of the Contractor). Nor will points be allocated or a mandatory criteria considered as met if the customer is itself an affiliate or other entity that does not deal at arm's length with the Contractor. Crown references will be accepted.
4. During the assessment of the resources proposed, should the references for two or more resources required under that TA either be unavailable or fail to substantiate the required qualifications of the proposed resources to perform the required services, the Contractor's quotation will be found to be non-responsive.
5. Only quotations that meet all of the mandatory criteria will be considered for assessment of the point rated criteria. Each resource proposed must attain the required minimum score for the point rated criteria for the applicable Resource Category. If the minimum score for any proposed resource is less than what is required, the Contractor's quotation will be found to be non-responsive.
6. Once the quotation has been accepted by the DND Procurement Representative, the TA Form will be signed by Canada and provided to the Contractor for signature. The TA Form must be appropriately signed by Canada prior to commencement of any work. The Contractor must not commence work until a validly issued TA Form (the Task Authorization) has been received, and any work performed in its absence is done at the Contractor's own risk.

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APPENDIX B TO ANNEX A - TASK AUTHORIZATION FORM

All invoices/progress claims must show the referenced Contract and Task numbers. Toutes les factures doivent indiquer les numéros du contrat et de la tâche.		Contract no. - No du contrat
		Task no. - No de la tâche
Amendment no. - No de la modification	Increase/Decrease - Augmentation/Réduction	Previous value - Valeur précédente
To - À	<p>TO THE CONTRACTOR</p> <p>You are requested to supply the following services in accordance with the terms of the above referenced Contract. Only services included in the Contract can 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>	
Delivery location - Expédié à	<p>À L'ENTREPRENEUR</p> <p>Vous êtes prié de fournir les services suivants en conformité des termes du contrat mentionné ci-dessus. Seules 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>	
Delivery/Completion date - Date de livraison/d'achèvement From - De : To - À :	<p>_____ Date _____ for the Department of National Defence pour le ministère de la Défense nationale</p>	
Contract item no. No d'article du contrat	Services	Cost Prix
	<p>TECHNICAL AUTHORITY :</p> <p>_____ Name (type or print) _____ Title (type or print) _____</p> <p>_____ Signature _____ Date _____</p> <p>THE CONTRACTOR HEREBY ACCEPTS THE TASK AUTHORIZATION IDENTIFIED ABOVE :</p> <p>_____ Name (type or print) _____ Title (type or print) _____</p> <p>_____ Signature _____ Date _____</p>	
		Applicable Taxes Taxes applicables
		Total
<p>APPLICABLE ONLY TO PWGSC CONTRACTS: The Contracting 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>for the Department of Public Works and Government Services pour le ministère des Travaux publics et services gouvernementaux</p> <p>DND 626 (01-05)</p>		

APPENDIX C TO ANNEX A
RESOURCES ASSESSMENT CRITERIA AND RESPONSE TABLE

To facilitate resource assessment, Contractors must prepare and submit a response to a draft Task Authorization using the tables provided in this Annex. When completing the resource grids, the specific information which demonstrates the requested criteria and reference to the page number of the résumé should be incorporated so that Canada can verify this information. The tables should not contain all the project information from the resume. Only the specific answer should be provided.

<p>Note to Bidders: Attachment 4.1 – Bid Evaluation Criteria to be inserted and will form part of the resulting Contract.</p>
--

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ANNEX B BASIS OF PAYMENT

INITIAL CONTRACT PERIOD:

Initial Contract Period (Date of Contract award to _____)		
Resource Category	Level of Expertise	Firm Per Diem Rate
A.1 Application/Software Architect: Lead Developer (MANET/Android)	Level 3	
A.6 Programmer/Software Developer: Programmer for Laboratory Applications	Level 2	
A.6 Programmer/Software Developer: Firmware Software Engineer/Developer (MANET/Android)	Level 3	
A.6 Programmer/Software Developer: Software Programmer (MANET/EXata Simulation)	Level 3	
A.6 Programmer/Software Developer: Software Engineer for SDR	Level 3	

OPTION PERIODS:

Option Period 1 (_____ to _____)		
Resource Category	Level of Expertise	Firm Per Diem Rate
A.1 Application/Software Architect: Lead Developer (Manet/Android)	Level 3	
A.6 Programmer/Software Developer: Programmer for Laboratory Applications	Level 2	
A.6 Programmer/Software Developer: Firmware Software Engineer/Developer (Manet/Android)	Level 3	
A.6 Programmer/Software Developer: Software Programmer (Manet/EXata Simulation)	Level 3	
A.6 Programmer/Software Developer: Software Engineer for SDR	Level 3	
Option Period 2 (_____ to _____)		
Resource Category	Level of Expertise	Firm Per Diem Rate
A.1 Application/Software Architect: Lead Developer (Manet/Android)	Level 3	

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A.6 Programmer/Software Developer: Programmer for Laboratory Applications	Level 2	
A.6 Programmer/Software Developer: Firmware Software Engineer/Developer (Manet/Android)	Level 3	
A.6 Programmer/Software Developer: Software Programmer (Manet/EXata Simulation)	Level 3	
A.6 Programmer/Software Developer: Software Engineer for SDR	Level 3	
Option Period 3 (_____ to _____)		
Resource Category	Level of Expertise	Firm Per Diem Rate
A.1 Application/Software Architect: Lead Developer (Manet/Android)	Level 3	
A.6 Programmer/Software Developer: Programmer for Laboratory Applications	Level 2	
A.6 Programmer/Software Developer: Firmware Software Engineer/Developer (Manet/Android)	Level 3	
A.6 Programmer/Software Developer: Software Programmer (Manet/EXata Simulation)	Level 3	
A.6 Programmer/Software Developer: Software Engineer for SDR	Level 3	
Option Period 4 (_____ to _____)		
Resource Category	Level of Expertise	Firm Per Diem Rate
A.1 Application/Software Architect: Lead Developer (Manet/Android)	Level 3	
A.6 Programmer/Software Developer: Programmer for Laboratory Applications	Level 2	
A.6 Programmer/Software Developer: Firmware Software Engineer/Developer (Manet/Android)	Level 3	
A.6 Programmer/Software Developer: Software Programmer (Manet/EXata Simulation)	Level 3	
A.6 Programmer/Software Developer: Software Engineer for SDR	Level 3	

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ANNEX C

SECURITY REQUIREMENTS CHECK LIST

RECEIVED
OCT 28 2014
CISD

Government of Canada

Gouvernement du Canada

Contract Number / Numéro du contrat
W7714-156010
Security Classification / Classification de sécurité
Unclassified

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

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE		
1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine	2. Branch or Directorate / Direction générale ou Direction	
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 The TNO group requires technical expertise and service support related to the Tactical Edge Cyber Command and Control (TECC demonstrator) and in the Advanced Mobile Network Operation (AMNO) projects. This includes embedded software design, software developer, simulation programmer, software defined radio support and laboratory applications programmer.		
5 a) Will the supplier require access to Controlled Goods? / Le fournisseur aura-t-il accès à des marchandises contrôlées?	<input type="checkbox"/> No / Non <input checked="" type="checkbox"/> Yes / Oui	
5 b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? / Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques?	<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui	
6. Indicate the type of access required / Indiquer le type d'accès requis		
6 a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? / Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? (Specify the level of access using the chart in Question 7. c) / Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c)	<input type="checkbox"/> No / Non <input checked="" type="checkbox"/> 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.	<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui	
6 c) Is this a commercial courier or delivery requirement with no overnight storage? / S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit?	<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui	
7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès		
Canada <input 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"/> SW	All NATO countries / Tous les pays de l'OTAN <input type="checkbox"/>	
Not releasable / À ne pas diffuser <input type="checkbox"/>	No release restrictions / Aucune restriction relative à la diffusion <input type="checkbox"/>	
Restricted to: / Limité à: <input type="checkbox"/>	Restricted to: / Limité à: <input type="checkbox"/>	
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 checked="" type="checkbox"/>	NATO UNCLASSIFIED / NATO NON CLASSIFIÉ <input type="checkbox"/>	PROTECTED A / PROTÉGÉ A <input type="checkbox"/>
PROTECTED B / PROTÉGÉ B <input checked="" 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 checked="" type="checkbox"/>	NATO SECRET / NATO SECRET <input type="checkbox"/>	CONFIDENTIAL / CONFIDENTIEL <input type="checkbox"/>
SECRET <input checked="" type="checkbox"/>	COSMIC TOP SECRET / COSMIC TRÈS SECRET <input type="checkbox"/>	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"/>

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S.21

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? If Yes, indicate the level of sensitivity: Dans l'affirmative, indiquer le niveau de sensibilité:	<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui
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?	<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui
Short Title(s) of material / Titre(s) abrégé(s) du matériel: Document Number / Numéro du document:	
PART B / (continued) / PARTIE B / (suite) 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 FIABILITE <input type="checkbox"/> TOP SECRET – SIGINT / TRÈS SECRET – SIGINT <input type="checkbox"/> SITE ACCESS / ACCÈS AUX EMPLACEMENTS <input type="checkbox"/> CONFIDENTIAL / CONFIDENTIEL <input type="checkbox"/> NATO CONFIDENTIAL / NATO CONFIDENTIEL <input checked="" type="checkbox"/> SECRET / SECRET <input type="checkbox"/> NATO SECRET / NATO SECRET <input type="checkbox"/> TOP SECRET / TRÈS SECRET <input type="checkbox"/> COSMIC TOP SECRET / COSMIC TRÈS SECRET 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? If Yes, will unscreened personnel be escorted? Dans l'affirmative, le personnel en question sera-t-il escorté?	<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui <input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui
PART C / (continued) / PARTIE C / (suite) 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?	<input type="checkbox"/> No / Non <input checked="" type="checkbox"/> 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?	<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> 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?	<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> 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?	<input type="checkbox"/> No / Non <input checked="" type="checkbox"/> 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?	<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui

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PARTIE COMMUNE / PARTIE COMMON

For users completing the form manually use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the suppliers 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				COUSEC							
	A	B	C	CONFIDENTIAL	SECRET	TOP SECRET	NATO	NATO	NATO	COMINT TOP SECRET COMINT TOP SECRET	PROTECTED PROTÉGÉ	A	B	C	CONFIDENTIAL	SECRET	TOP SECRET	
							RESTRICTED	CONFIDENTIAL	CONFIDENTIAL									
Information Assets Management (IAM) Production						SECRET												
IT Mgmt / Support II IT Lvl 7 E-mail Electronic						SECRET												

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?
La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE? No / Non Yes / Oui

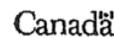
If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire.

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?
La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE? No / Non Yes / Oui

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

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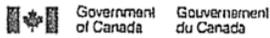
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PART D - AUTHORIZATION / PARTIE D - AUTORISATION			
13. Organization Project Authority / Chargé de projet de l'organisme			
Name (print) - Nom (en lettres moulées)		Title - Titre	Signature
Darcy Simeonik		TDP Engineer	
Telephone No. - N° de téléphone 613 995 1451	Facsimile No. - N° de télécopieur 613 994 9940	E-mail address - Adresse courriel darcy.simeonik@forces.gc.ca	Date 2014-09-10
14. Organization Security Authority / Responsable de la sécurité de l'organisme			
Name (print) - Nom (en lettres moulées)		Title - Titre	Signature
Saba Medjovic - DDSO - Industrial Security Senior Security Analyst Tel: 613-996-0286			
Telephone No. - N° de téléphone 613-996-0286	Facsimile No. - N° de télécopieur 613-996-0286	E-mail address - Adresse courriel smedjovic@forces.gc.ca	Date 2014-10-24
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?			
			<input type="checkbox"/> No / <input checked="" type="checkbox"/> Yes / Oui
16. Procurement Officer / Agent d'approvisionnement			
Name (print) - Nom (en lettres moulées)		Title - Titre	Signature
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date
17. Contracting Security Authority / Autorité contractante en matière de sécurité			
Name		Signature	
Paul Lepinski			
Telephone	Agent à la Sécurité des contrats Contract Security Officer Secteur de la Sécurité industrielle Industrial Security Sector Paul.Lepinski@tpsgc-pwysc.gc.ca Telephone 613 997-1294	Adresse courriel	Date 26-NOV-2014

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ANNEX D

NON-DISCLOSURE AGREEMENT

I, _____, recognize that in the course of my work as an employee or subcontractor of _____, I may be given access to information by or on behalf of Canada in connection with the Work, pursuant to Contract Serial No. _____ between Her Majesty the Queen in right of Canada, represented by the Minister of Public Works and Government Services and the Minister of National Defence, including any information that is confidential or proprietary to third parties, and information conceived, developed or produced by the Contractor as part of the Work. For the purposes of this agreement, information includes but not limited to: any documents, instructions, guidelines, data, material, advice or any other information whether received orally, in printed form, recorded electronically, or otherwise and whether or not labeled as proprietary or sensitive, that is disclosed to a person or that a person becomes aware of during the performance of the Contract.

I agree that I will not reproduce, copy, use, divulge, release or disclose, in whole or in part, in whatever way or form any information described above to any person other than a person employed by Canada on a need to know basis. I undertake to safeguard the same and take all necessary and appropriate measures, including those set out in any written or oral instructions issued by Canada, to prevent the disclosure of or access to such information in contravention of this agreement.

I also acknowledge that any information provided to the Contractor by or on behalf of Canada must be used solely for the purpose of the Contract and must remain the property of Canada or a third party, as the case may be.

I agree that the obligation of this agreement will survive the completion of the Contract Serial No.:

Signature of resource

(include printed name)

Date

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ATTACHMENT 3.1

BID SUBMISSION FORM	
Bidder's full legal name	
Authorized Representative of Bidder for evaluation purposes (e.g., clarifications)	Name
	Title
	Address
	Telephone #
	Fax #
	Email
Bidder's Procurement Business Number (PBN) [see the Standard Instructions 2003] [Note to Bidders: Please ensure that the PBN you provide matches the legal name under which you have submitted your bid. If it does not, the Bidder will be determined based on the legal name provided, not based on the PBN, and the Bidder will be required to submit the PBN that matches the legal name of the Bidder.]	
Jurisdiction of Contract: Province or territory in Canada the Bidder wishes to be the legal jurisdiction applicable to any resulting contract (if other than as specified in solicitation)	
Bidder's Proposed Site(s) or Premises Requiring Safeguard Measures. See Part 3 for instructions.	Address of proposed site or premise: _____ City: _____ Province: _____ Postal Code: _____ Country: _____
Former Public Servants See the Article in Part 2 of the bid solicitation entitled Former Public Servant for a definition of "Former Public Servant".	Is the Bidder a FPS in receipt of a pension as defined in the bid solicitation? Yes ____ No ____ If yes, provide the information required by the Article in Part 2 entitled "Former Public Servant"
	Is the Bidder a FPS who received a lump sum payment under the terms of the Work Force Adjustment Directive? Yes ____ No ____

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	If yes, provide the information required by the Article in Part 2 entitled "Former Public Servant"	
Security Clearance Level of Bidder [include both the level and the date it was granted] [Note to Bidders: Please ensure that the security clearance matches the legal name of the Bidder. If it does not, the security clearance is not valid for the Bidder.]		
<p>On behalf of the Bidder, by signing below, I confirm that I have read the entire bid solicitation including the documents incorporated by reference into the bid solicitation and I certify that:</p> <ol style="list-style-type: none"> 1. The Bidder considers itself and its proposed resources able to meet all the mandatory requirements described in the bid solicitation; 2. This bid is valid for the period requested in the bid solicitation; 3. All the information provided in the bid is complete, true and accurate; and 4. If the Bidder is awarded a contract, it will accept all the terms and conditions set out in the resulting contract clauses included in the bid solicitation. 		
Signature of Authorized Representative of Bidder		

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**ATTACHMENT 4.1
BID EVALUATION CRITERIA**

1. MANDATORY CRITERIA

1.1. BIDDER– CORPORATE MANDATORY CRITERIA

Evaluation Criteria		Bidders Response (The Bidder must provide a cross-reference in this column that indicates where in the bid substantiating information can be found.)
<p>M1. The Bidder must provide two references for two individual IM/IT contracts (one reference for each contract) managed within the last five years from the date of bid closing. The references must include the name of the organization, the contract number, a short description of the services provided, the name, title, e-mail address and telephone number of the organization's responsible manager, as well as the award date, expiry date and dollar value of each contract. It is the Bidder's responsibility to ensure that any information divulged is with the permission of the references provided.</p> <p>For each contract identified:</p> <p>a) The value must be at least \$3M;</p> <p>b) The duration must be at least two years within the last five years. (note: duration does not include option periods that have not been exercised);</p> <p>c) The Bidder must have provided at least 5 resources simultaneously for a period of at least 12 consecutive months within the last five years; and</p> <p>d) The Bidder must have been the prime contractor, rather than a subcontractor. This means that the Bidder contracted directly with the customer of the work. If the Bidder's contract was to perform work which another entity had itself first contracted to perform, the Bidder will not be considered the prime contractor. For example, Z (customer) contracted with Y for services. Y, in turn, entered into a contract with X to provide all or part of these services to Z. In this example, Y is a prime contractor and X is a subcontractor.</p>	<p>[] MET [] NOT MET</p>	

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1.2. RESOURCES - MANDATORY CRITERIA

1.2.1. A.6 PROGRAMMER/SOFTWARE DEVELOPER, LEVEL 3: FIRMWARE SW ENGINEER / DEVELOPER (MANET / ANDROID)		
Evaluation Criteria		Bidders Response (The Bidder must provide a cross-reference in this column that indicates where in the bid substantiating information can be found.)
<p>M1. The Bidder must demonstrate that the proposed resource has a minimum of a College Diploma in programming, computer science or engineering from a Canadian Institution or equivalent from a foreign institution, as determined by the World Education Services http://www.wes.org/ca.</p> <p>A copy of the diploma or degree must be provided with the bid.</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
<p>M2. The Bidder must demonstrate that the proposed resource has a minimum of five years of experience within the last ten years from the date of bid closing developing software on behalf of a commercial or government organization.</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
<p>M3. The Bidder must demonstrate that the proposed resource has a minimum of five years of experience within the last ten years from the date of bid closing designing, or developing drivers for Windows and Linux devices.</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
<p>M4. The Bidder must demonstrate that the proposed resource has a minimum of five years of experience within the last ten years from the date of bid closing with system design with Java or C++ programming language.</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
<p>M5. The Bidder must demonstrate that the proposed resource has a minimum of one year of experience within the last five years from the date of bid closing with device driver, firmware or middleware development on the Android Operating System (OS).</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	

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1.2.2 A.1. APPLICATION/SOFTWARE ARCHITECT, LEVEL 3 LEAD DEVELOPER (MANET / ANDROID)		
Evaluation Criteria		Bidders Response (The Bidder must provide a cross-reference in this column that indicates where in the bid substantiating information can be found.)
<p>M1. The Bidder must demonstrate that the proposed resource has a minimum of a College Diploma in programming, computer science or engineering from a Canadian Institution or equivalent from a foreign institution, as determined by the World Education Services http://www.wes.org/ca.</p> <p>A copy of the diploma or degree must be provided with the bid.</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
<p>M2. The Bidder must demonstrate that the proposed resource has a minimum of five years of experience within the last ten years from the date of bid closing developing software on behalf of a commercial or government organization.</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
<p>M3. The Bidder must demonstrate that the proposed resource has a minimum of one year of experience within the last four years from the date of bid closing designing, or developing Android apps for wireless networks.</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
<p>M4. The Bidder must demonstrate that the proposed resource has a minimum of one year of experience within the last ten years from the date of bid closing with MANET protocols such as OLSR or AODV.</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
<p>M5. The Bidder must demonstrate that the proposed resource has a minimum of five years of experience within the last ten years from the date of bid closing with programming and system design with Java or C++ programming language.</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	

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1.2.3. A.6. PROGRAMMER/SOFTWARE DEVELOPER, LEVEL 3: SOFTWARE PROGRAMMER (MANET/EXata Simulation)		
Evaluation Criteria		Bidders Response (The Bidder must provide a cross-reference in this column that indicates where in the bid substantiating information can be found.)
<p>M1. The Bidder must demonstrate that the proposed resource has a minimum of a College Diploma in programming, computer science or engineering from a Canadian Institution or equivalent from a foreign institution, as determined by the World Education Services http://www.wes.org/ca.</p> <p>A copy of the diploma or degree must be provided with the bid.</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
<p>M2. The Bidder must demonstrate that the proposed resource has a minimum of one year of experience within the last ten years from the date of bid closing in communication protocols in Mobile Ad Hoc Networks.</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
<p>M3. The Bidder must demonstrate that the proposed resource has a minimum of three years of experience within the last ten years from the date of bid closing in communication protocols in wireless networks.</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
<p>M4. The Bidder must demonstrate that the proposed resource has a minimum of five years of experience within the last ten years from the date of bid closing in software development with C or C++ language.</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
<p>M5. The Bidder must demonstrate that the proposed resource has a minimum of two years of experience within the last five years from the date of bid closing in one of the following simulation platforms: NS2, OPNET, OMNeT++, NS3, or Qualnet.</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
<p>M6. The Bidder must demonstrate that the proposed resource has a minimum of one year of experience</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	

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within the last five years from the date of bid closing in GUI development.		
1.2.4. A.6. PROGRAMMER/SOFTWARE DEVELOPER, LEVEL 3: SOFTWARE ENGINEER FOR SDR		
Evaluation Criteria		Bidders Response (The Bidder must provide a cross-reference in this column that indicates where in the bid substantiating information can be found.)
M1. The Bidder must demonstrate that the proposed resource has a minimum of a College Diploma in programming, computer science or engineering from a Canadian Institution or equivalent from a foreign institution, as determined by the World Education Services http://www.wes.org/ca . A copy of the diploma or degree must be provided with the bid.	[] MET [] NOT MET	
M2. The Bidder must demonstrate that the proposed resource has a minimum of five years of experience within the last ten years from the date of bid closing with programming in C or C++ programming language.	[] MET [] NOT MET	
M3. The Bidder must demonstrate that the proposed resource has a minimum of one year experience within the last five years from the date of bid closing with software design of Software Define Radio platforms.	[] MET [] NOT MET	

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1.2.5. A.6. PROGRAMMER/SOFTWARE DEVELOPER, LEVEL 2: PROGRAMMER FOR LABORATORY APPLICATIONS		
Evaluation Criteria		Bidders Response (The Bidder must provide a cross-reference in this column that indicates where in the bid substantiating information can be found.)
<p>M1. The Bidder must demonstrate that the proposed resource has a minimum of a College Diploma in programming, computer science or engineering from a Canadian Institution or equivalent from a foreign institution, as determined by the World Education Services http://www.wes.org/ca.</p> <p>A copy of the diploma or degree must be provided with the bid.</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
<p>M2. The Bidder must demonstrate that the proposed resource has a minimum of two years of experience within the last ten years from the date of bid closing developing software on behalf of a commercial or government organization.</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
<p>M3. The Bidder must demonstrate that the proposed resource has a minimum of two years of experience within the last ten years from the date of bid closing in each of the following programming languages: (C or C++) and Python.</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
<p>M4. The Bidder must demonstrate that the proposed resource has a minimum of one year of experience within the last ten years from the date of bid closing designing, or developing software for the interfacing of peripheral hardware to drivers for windows or Linux devices.</p>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	

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2. RATED CRITERIA

2.1. RESOURCES RATED CRITERIA

2.1.1. A.6. PROGRAMMER/SOFTWARE DEVELOPER, LEVEL 3: FIRMWARE SW ENGINEER / DEVELOPER (MANET / ANDROID)			
Evaluation Criteria	Scoring Method	Max. Points	Bidders Response (The Bidder must provide a cross-reference in this column that indicates where in the bid substantiating information can be found.)
<p>R1. The proposed resource should have a Bachelor degree in electrical, computer or software engineering or in computer science from a Canadian University or equivalent from a foreign institution, as determined by the World Education Services http://www.wes.org/ca.</p> <p>A copy of the degree must be provided with the bid.</p>	1 degree = 2 points	2	
<p>R2. The proposed resource should have demonstrated experience in projects that modify firmware or device drivers in Android operating system devices.</p> <p>Only experience since May 20, 2010 will be accepted.</p>	6 months to 1 year = 1 point. 1+ to 2 years = 2 points. 2+ to 3 years = 3 points. 3+ to 4 years = 4 points. 4+ years = 5 points.	5	

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<p>R3. The proposed resource should have demonstrated experience in projects modifying or writing firmware, middleware or device drivers source code for networking devices (e.g., routers, external WiFi cards, NICs, etc.).</p> <p>Only experience since January 1, 2005 will be accepted.</p>	<p>1+ to 2 years = 1 point. 2+ to 3 years = 2 points. 3+ to 4 years = 3 points. 4+ to 5 years = 4 points 5+ years = 5 points.</p>	5	
<p>R4. The proposed resource should have demonstrated design, development and implementation experience in projects where the resource has written driver or firmware for Software Defined Radios.</p> <p>Only experience since January 1, 2005 will be accepted.</p>	<p>1+ to 2 years = 1 point. 2+ to 3 years = 2 points. 3+ to 4 years = 3 points. 4+ to 5 years = 4 points 5+ years = 5 points.</p>	5	
<p>R5. The proposed resource should have demonstrated design, development or implementation experience in projects where the resource has written apps for mobile devices on the Android operating system.</p> <p>Only experience since May 20, 2010 will be accepted.</p>	<p>1 point will be awarded for demonstrating 1 project of at least 6 months duration 3 points will be awarded for demonstrating 2 projects of at least 6 months duration each 5 points will be awarded for demonstrating 3 projects of at least 6 months duration each</p>	5	

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<p>R6. The proposed resource should have demonstrated experience in developing networking software between Android devices and PCs. Only experience since May 20, 2010 will be accepted.</p>	<p>1 point will be awarded for demonstrating 1 project of at least 6 months duration 3 points will be awarded for demonstrating 2 projects of at least 6 months duration each 5 points will be awarded for demonstrating 3 projects of at least 6 months duration each</p>	5						
<p>R7. The proposed resource should have demonstrated design, development, or implementation experience in projects that required MANET networking. Only experience since January 1, 2008 will be accepted.</p>	<p>1 point will be awarded for demonstrating 1 project of at least 6 months duration 3 points will be awarded for demonstrating 2 projects of at least 6 months duration each 5 points will be awarded for demonstrating 3 projects of at least 6 months duration each</p>	5						
<p>R8. The proposed resource should have demonstrated written communication skills by producing documents in the last ten years from the date of bid closing, related to the design, development or implementation of networks, network architectures, or software. These may include any design, development or</p>	<table border="1"> <tr> <td data-bbox="917 1176 1010 1386">Marking Scale Score</td> <td data-bbox="917 705 1010 1176"></td> </tr> <tr> <td data-bbox="1010 1176 1149 1386">Excellent (4)</td> <td data-bbox="1010 705 1149 1176">Information provided is clear and follows a logical sequence Any editing is minor.</td> </tr> <tr> <td data-bbox="1149 1176 1299 1386">Good (3)</td> <td data-bbox="1149 705 1299 1176">Information provided is clear and follows a logical sequence Style and editing within sub sections is required.</td> </tr> </table>	Marking Scale Score		Excellent (4)	Information provided is clear and follows a logical sequence Any editing is minor.	Good (3)	Information provided is clear and follows a logical sequence Style and editing within sub sections is required.	4
Marking Scale Score								
Excellent (4)	Information provided is clear and follows a logical sequence Any editing is minor.							
Good (3)	Information provided is clear and follows a logical sequence Style and editing within sub sections is required.							

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<p>implementation related documentation. Two excerpts of documents no longer than twelve pages must be provided. Only documents written since January 1, 2005 will be accepted.</p>	<p>Marginally Acceptable (2)</p>	<p>Information provided is ambiguous Style and editing within sub sections is required.</p>	
	<p>Poor (1)</p>	<p>Information provided is ambiguous and not well organized Information contains significant weaknesses which required entire sections to be re-written.</p>	
	<p>Not Acceptable (0)</p>	<p>Information provided is ambiguous and not well organized Information will need to be re-written in its entirety.</p>	
		Maximum Points Available:	36
		Minimum Points Required:	22
		Bidder's Score:	

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2.1.2. A.1. APPLICATION/SOFTWARE ARCHITECT, LEVEL 3: LEAD DEVELOPER (MANET / ANDROID)			
Evaluation Criteria	Scoring Method	Max. Points	Bidders Response (The Bidder must provide a cross-reference in this column that indicates where in the bid substantiating information can be found.)
<p>R1. The proposed resource should have a Bachelor degree in electrical, computer or software engineering or in computer science from a Canadian University or equivalent from a foreign institution, as determined by the World Education Services http://www.wes.org/ca.</p> <p>A copy of the degree must be provided with the bid.</p>	1 degree = 2 points	2	
<p>R2. The proposed resource should have demonstrated experience leading software integration projects that design, develop or integrate networking solutions on mobile devices that required firmware or device driver software development.</p> <p>Only experience since January 1, 2005 will be accepted.</p>	1+ to 2 years = 1 point. 2+ to 3 years = 2 points. 3+ to 4 years = 3 points. 4+ to 5 years = 4 points. 5+ to 6 years = 5 points. 6+ years = 6 points.	6	

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<p>R3. The proposed resource should have demonstrated design, development or implementation experience in projects that show concurrent user geo-location on Android devices using cached maps (Google Maps, Open street view, etc.).</p> <p>Only experience since May 20, 2010 will be accepted.</p>	1	1 point will be awarded for demonstrating 1 project of at least 6 months duration.	
<p>R4. The proposed resource should have demonstrated design, development or implementation experience in projects where the resource has used a MANET routing protocol to discover and route to nodes in an ad hoc network.</p> <p>Only experience since January 1, 2008 will be accepted.</p>	4	2 points will be awarded for demonstrating 1 project of at least 6 months duration	
<p>R5. The proposed resource should have demonstrated design, development or implementation experience in projects where the resource has written apps for mobile devices on the Android operating system.</p> <p>Only experience since May 20, 2010 will be accepted.</p>	5	1 point will be awarded for demonstrating 1 project of at least 6 months duration	
		3 points will be awarded for demonstrating 2 projects of at least 6 months duration each	
		5 points will be awarded for demonstrating 3 projects of at least 6 months duration each	

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<p>R6. The proposed resource should have demonstrated experience in developing software for networking between Android devices and PCs. Only experience since May 20, 2010 will be accepted.</p>	<p>1 point will be awarded for demonstrating 1 project of at least 6 months duration 2 points will be awarded for demonstrating 2 projects of at least 6 months duration each 3 points will be awarded for demonstrating 3 projects of at least 6 months duration each</p>	3					
<p>R7. The proposed resource should have demonstrated design, development or implementation experience in projects that implement MANET networking. Only experience since January 1, 2008 will be accepted.</p>	<p>1 point will be awarded for demonstrating 1 project of at least 6 months duration 3 points will be awarded for demonstrating 2 projects of at least 6 months duration each 5 points will be awarded for demonstrating 3 projects of at least 6 months duration each</p>	5					
<p>R8. The proposed resource should have demonstrated design, development or implementation experience in SDR projects for wireless networking. Only experience since January 1, 2008 will be accepted.</p>	<p>1 point will be awarded for demonstrating 1 project of at least 6 months duration 3 points will be awarded for demonstrating 2 projects of at least 6 months duration each 5 points will be awarded for demonstrating 3 projects of at least 6 months duration each</p>	5					
<p>R9. The proposed resource should have demonstrated written communication skills by producing documents in the last ten years from the date of bid closing, related to the design, development or implementation of networks, network</p>	<table border="1"> <tr> <td data-bbox="1149 602 1242 1123">Marking Scale Score</td> <td data-bbox="1149 1123 1385 1123">4</td> </tr> <tr> <td data-bbox="1149 1123 1242 1801">Excellent (4)</td> <td data-bbox="1149 1123 1385 1801">Information provided is clear and follows a logical sequence Any editing is minor.</td> </tr> </table>	Marking Scale Score	4	Excellent (4)	Information provided is clear and follows a logical sequence Any editing is minor.	4	
Marking Scale Score	4						
Excellent (4)	Information provided is clear and follows a logical sequence Any editing is minor.						

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<p>architectures, or software. These may include any design, development or implementation related documentation. Two excerpts of documents no longer than twelve pages must be provided. Only documents written since January 1, 2005 will be accepted.</p>	Good (3)	Information provided is clear and follows a logical sequence Style and editing within sub sections is required.	
	Marginally Acceptable (2)	Information provided is ambiguous Style and editing within sub sections is required.	
	Poor (1)	Information provided is ambiguous and not well organized Information contains significant weaknesses which required entire sections to be re-written.	
	Not Acceptable (0)	Information provided is ambiguous and not well organized Information will need to be re-written in its entirety.	
	Maximum Points Available:		
Minimum Points Required:			21
Bidder's Score:			

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2.1.3. A.6. PROGRAMMER/SOFTWARE DEVELOPER, LEVEL 3: SOFTWARE PROGRAMMER (MANET / EXATA SIMULATION)			
Evaluation Criteria	Scoring Method	Max. Points	Bidders Response (The Bidder must provide a cross-reference in this column that indicates where in the bid substantiating information can be found.)
<p>R1. The proposed resource should have a Bachelor degree in electrical, computer or software engineering or in computer science from a Canadian University or equivalent from a foreign institution, as determined by the World Education Services http://www.wes.org/ca. A copy of the degree must be provided with the bid.</p>	1 degree = 2 points	2	
<p>R2. The proposed resource should have demonstrated experience in designing and developing software, in C or C++ programming language. Only experience since January 1, 2003 will be accepted.</p>	5+ to 7 years = 1 point. 7+ to 9 years = 2 points. 9+ years = 3 points.	3	
<p>R3. The proposed resource should have demonstrated experience in designing, developing or implementing GUI toolkits.</p>	2+ to 3 years = 0.5 point. 3+ to 4 years = 1 points. 4+ to 5 years = 1.5 points. 5+ to 6 years = 2 points. 6+ to 7 years = 2.5 points. 7+ years = 3 points.	3	

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Only experience since January 1, 2005 will be accepted.			
R4. The proposed resource should have demonstrated experience in designing, development, and integration of communications software within mobile networking projects. Only experience since January 1, 2005 will be accepted.	0.5 point will be awarded for each unique project up to 2 points.	2	
R5. The proposed resource should have demonstrated experience in design, development and implementation of MANET protocols within a project in the following five (5) areas: <ul style="list-style-type: none"> • Physical/MAC layer connectivity • Mobility and dynamic topology • Routing • Security and trust • Traffic generation and analysis Only experience since January 1, 2005 will be accepted.	0.5 point will be awarded for demonstrating one area of expertise in a project of at least 6 months duration 1 point will be awarded for demonstrating two areas of expertise in two projects of at least 6 months duration each 1.5 points will be awarded for demonstrating three areas of expertise in three projects of at least 6 months duration each 2 points will be awarded for demonstrating four areas of expertise in three projects of at least six months duration each	2	

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<p>R6. The proposed resource should have demonstrated experience in design, development and implementation of network simulation on QualNet. Only experience since January 1, 2005 will be accepted.</p>	<p>1 point will be awarded for demonstrating experience working in a project and using the QualNet platform for at least six months.</p>	<p>1</p>						
<p>R7. The proposed resource should have demonstrated experience in design, development and implementation of network simulation on selected simulation platforms including NS2, OPNET, OMNeT++, NS3, Matlab. Only experience since January 1, 2005 will be accepted.</p>	<p>0.5 point will be awarded for six months of experience with any one of the following platforms: NS2, OPNET, OMNeT++, NS3, Matlab. 1 point will be awarded for six months of experience with any two of the following platforms: NS2, OPNET, OMNeT++, NS3, Matlab.</p>	<p>1</p>						
<p>R8. The proposed resource should have demonstrated written communication skills by producing documents in the last ten years from the date of bid closing, related to the design, development or implementation of networks, network architectures, or software. These may include any design, development or implementation related documentation.</p>	<table border="1"> <tr> <td data-bbox="951 1125 1195 1367"> <p>Marking Scale Score</p> </td> <td data-bbox="951 638 1195 1125"> <p>Information provided is clear and follows a logical sequence Any editing is minor.</p> </td> </tr> <tr> <td data-bbox="1195 1125 1382 1367"> <p>Excellent (4)</p> </td> <td data-bbox="1195 638 1382 1125"> <p>Information provided is clear and follows a logical sequence Style and editing within sub sections is required.</p> </td> </tr> <tr> <td data-bbox="951 1367 1195 1864"> <p>Good (3)</p> </td> <td data-bbox="1195 1367 1382 1864"> <p>Information provided is clear and follows a logical sequence Style and editing within sub sections is required.</p> </td> </tr> </table>	<p>Marking Scale Score</p>	<p>Information provided is clear and follows a logical sequence Any editing is minor.</p>	<p>Excellent (4)</p>	<p>Information provided is clear and follows a logical sequence Style and editing within sub sections is required.</p>	<p>Good (3)</p>	<p>Information provided is clear and follows a logical sequence Style and editing within sub sections is required.</p>	<p>4</p>
<p>Marking Scale Score</p>	<p>Information provided is clear and follows a logical sequence Any editing is minor.</p>							
<p>Excellent (4)</p>	<p>Information provided is clear and follows a logical sequence Style and editing within sub sections is required.</p>							
<p>Good (3)</p>	<p>Information provided is clear and follows a logical sequence Style and editing within sub sections is required.</p>							

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Two excerpts of documents no longer than twelve pages must be provided. Only documents written since January 1, 2005 will be accepted.	Marginally Acceptable (2)	Information provided is ambiguous Style and editing within sub sections is required.	
	Poor (1)	Information provided is ambiguous and not well organized Information contains significant weaknesses which required entire sections to be re-written.	
	Not Acceptable (0)	Information provided is ambiguous and not well organized Information will need to be re-written in its entirety.	
		Maximum Points Available:	18
		Minimum Points Required:	12
		Bidder's Score:	

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2.1.4 A.6. PROGRAMMER/SOFTWARE DEVELOPER, LEVEL 3: SOFTWARE ENGINEER FOR SDR			
Evaluation Criteria	Scoring Method	Max. Points	Bidders Response (The Bidder must provide a cross-reference in this column that indicates where in the bid substantiating information can be found.)
<p>R1. The proposed resource should have a Bachelor degree in electrical, computer or software engineering or in computer science from a Canadian University or equivalent from a foreign institution, as determined by the World Education Services http://www.wes.org/ca.</p> <p>A copy of the degree must be provided with the bid.</p>	1 degree = 2 points	2	
<p>R2. The proposed resource should have demonstrated experience in designing, developing and writing software for wireless communication on Software Defined Radios in the C or C++ programming language.</p> <p>Only experience after January 1, 2000 will be accepted.</p>	1+ to 1.5 years = 1 point. 1.5+ to 2 years = 2 points. 2.0+ to 2.5 years = 3 points. 2.5+ to 3 years = 4 points. 3+ to 3.5 years = 5 points. 3.5+ to 4 years = 6 points. 4+ years = 7 points.	7	

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<p>R3. The proposed resource should have demonstrated experience in designing, developing, and writing software for wireless communication on Software Defined Radios in the Python programming language. Only experience since January 1, 2000 will be accepted.</p>	<p>1+ to 2 years = 1 point. 2+ to 3 years = 2 points. 3+ to 4 years = 3 points. 4+ to 5 years = 4 points. 5+ years = 5 points.</p>	<p>5</p>	
<p>R4. The proposed resource should have demonstrated experience in software test, verification and validation of DSP software algorithms. Only experience since January 1, 2003 will be accepted.</p>	<p>1 point will be awarded for demonstrating each unique project up to 5 points.</p>	<p>5</p>	
<p>R5. The proposed resource should have demonstrated experience in design, implementation and testing of Graphical User Interface with API's for SDR. Only experience since January 1, 2003 will be accepted.</p>	<p>1 point will be awarded for demonstrating each unique project up to 5 points</p>	<p>5</p>	

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<p>R6. The proposed resource should have demonstrated experience in implementing software to control and communicate with laboratory test equipment, such as Vector Signal Analyzer, Vector Network Analyzer or Vector Signal Generator. Only experience since January 1, 2003 will be accepted.</p>	<p>0.5 point will be awarded for demonstrating each unique project up to 3 points</p>	<p>3</p>				
<p>R7. The proposed resource should have demonstrated experience in developing software on Matlab programming language. The proposed resource should have demonstrated experience in developing software on Perl or Tcl programming languages. Only experience since January 1, 2003 will be accepted.</p>	<p>3 points will be awarded for demonstrating Matlab programming language on a project of at least 6 months duration. 1 point will be awarded for demonstrating either Perl or Tcl programming languages of at least 6 months duration. 1 point will be awarded for demonstrating Perl and Tcl programming languages on projects of at least 6 months duration each.</p>	<p>5</p>				
<p>R8. The proposed resource should have demonstrated written communication skills by producing documents in the last ten years from the date of bid closing, related to the design, development or implementation of</p>	<table border="1"> <tr> <td data-bbox="1143 1125 1235 1365"> <p>Marking Scale Score</p> </td> <td data-bbox="1143 638 1235 1365"></td> </tr> <tr> <td data-bbox="1235 1125 1386 1365"> <p>Excellent (4)</p> </td> <td data-bbox="1235 638 1386 1365"> <p>Information provided is clear and follows a logical sequence Any editing is minor.</p> </td> </tr> </table>	<p>Marking Scale Score</p>		<p>Excellent (4)</p>	<p>Information provided is clear and follows a logical sequence Any editing is minor.</p>	<p>4</p>
<p>Marking Scale Score</p>						
<p>Excellent (4)</p>	<p>Information provided is clear and follows a logical sequence Any editing is minor.</p>					

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<p>networks, network architectures, or software. These may include any design, development or implementation related documentation.</p> <p>Two excerpts of documents no longer than twelve pages must be provided.</p> <p>Only documents written since January 1, 2005 will be accepted.</p>	Good (3)	Information provided is clear and follows a logical sequence Style and editing within sub sections is required.	
	Marginally Acceptable (2)	Information provided is ambiguous Style and editing within sub sections is required.	
	Poor (1)	Information provided is ambiguous and not well organized Information contains significant weaknesses which required entire sections to be re-written.	
	Not Acceptable (0)	Information provided is ambiguous and not well organized Information will need to be re-written in its entirety.	
		Maximum Points Available:	36
		Minimum Score Required:	20
		Bidder's Score:	

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2.1.5. A.6. PROGRAMME/SOFTWARE DEVELOPER, LEVEL 2: PROGRAMMER FOR LABORATORY APPLICATIONS		
Evaluation Criteria	Scoring Method	Max. Points
<p>R1. The proposed resource should have a Bachelor degree in electrical, computer or software engineering or in computer science from a Canadian University or equivalent from a foreign institution, as determined by the World Education Services http://www.wes.org/ca.</p> <p>A copy of the degree must be provided with the bid.</p>	1 degree = 2 points	2
<p>R2. The proposed resource should have demonstrated experience in designing, developing and writing software for wireless communication applications.</p> <p>Only experience since January 1, 2005 will be accepted.</p>	1 month to 1 year = 1 point. 1+ to 2 years = 1.5 points. 2+ years = 2 points.	2
<p>R3. The proposed resource should have demonstrated experience in software test, verification and validation of DSP software algorithms.</p>	1 point will be awarded for demonstrating each unique project up to 5 points.	5

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Only experience since January 1, 2005 will be accepted.			
R4. The proposed resource should have demonstrated experience in design, implementation, and testing of Graphical User Interface with API's. Only experience since January 1, 2005 will be accepted.	1 point will be awarded for demonstrating each unique project up to 5 points	5	
R5. The proposed resource should have demonstrated experience in implementing software to control and communicate with laboratory test equipment, such as Vector Signal Analyzer, Vector Network Analyzer or Vector Signal Generator. Only experience since January 1, 2005 will be accepted.	0.5 point will be awarded for demonstrating each unique project up to 3 points	3	
R6. The proposed resource should have demonstrated experience in developing software on Matlab. Only experience since January 1, 2005 will be accepted.	2 points will be awarded for demonstrating three months of experience programming in Matlab on a project of at least three months duration.	2	

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<p>R7. The proposed resource should have demonstrated written communication skills by producing documents in the last ten years related to the design, development or implementation of networks, network architectures, or software. These may include any design, development or implementation related documentation.</p> <p>Two excerpts of documents no longer than twelve pages must be provided.</p> <p>Only documents written since January 1, 2005 will be accepted.</p>	<p>Marking Scale Score</p> <p>Excellent (4)</p> <p>Good (3)</p> <p>Marginally Acceptable (2)</p> <p>Poor (1)</p> <p>Not Acceptable (0)</p>	<p>Information provided is clear and follows a logical sequence Any editing is minor.</p>	<p>4</p>
		<p>Information provided is clear and follows a logical sequence Style and editing within sub sections is required.</p>	
		<p>Information provided is ambiguous Style and editing within sub sections is required.</p>	
		<p>Information provided is ambiguous and not well organized Information contains significant weaknesses which required entire sections to be re-written.</p>	
		<p>Information provided is ambiguous and not well organized Information will need to be re-written in its entirety.</p>	
		<p>Maximum Points Available: 23</p>	
<p>Minimum Points Required: 13</p>			
<p>Bidder's Score:</p>			

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3. RATED CRITERIA – SUMMARY

Item	Reference	Maximum Points Available	Minimum Points Required
2.1.1.	A.6. Programmer/Software Developer, Level 3: Firmware SW Engineer/Developer (Manet/Android)	36	22
2.1.2.	A.1. Application/Software Architect, Level 3: Lead Developer (Manet/Android)	35	21
2.1.3.	A.6. Programmer/Software Developer, Level 3: Software Programmer (Manet/EXata Simulation)	18	12
2.1.4.	A.6. Programmer/Software Developer, Level 3: Software Engineer for SDR	36	20
2.1.5.	A.6. Programmer/Software Developer, Level 2: Programmer for Laboratory Applications	23	13
Total Maximum Points Available:		148	
Total Minimum Points Required:			88

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ATTACHMENT 4.2

PRICING SCHEDULE

In respect of the “Estimated Number of Days” listed below in (C*) the estimated number of days is for evaluation purposes only during the solicitation process. The actual number of days during the Contract Period and option periods may be more or less, as determined by the Project Authority.

Initial Contract Period:

Initial Contract Period				
Date of Contract award to _____				
	(B)	(C)	(D)	(E)
Resource Category	Level of Expertise	Estimated Number of Days	Firm Per Diem Rate or Median Rate (if applicable)	Total Cost (C x D)
A.1 Application/Software Architect: Lead Developer (Manet/Android)	Level 3	200	\$	\$
A.6 Programmer/Software Developer: Programmer for Laboratory Applications	Level 2	200	\$	\$
A.6 Programmer/Software Developer: Firmware Software Engineer/Developer (Manet/Android)	Level 3	200	\$	\$
A.6 Programmer/Software Developer: Software Programmer (Manet/EXata Simulation)	Level 3	75	\$	\$
A.6 Programmer/Software Developer: Software Engineer for SDR	Level 3	100	\$	\$
Total Price Initial Contract Period				\$ <TBD>

Option Periods:

Option Period 1				
_____ to _____				
	(B)	(C)	(D)	(E)
Resource Category	Level of Expertise	Estimated Number of Days	Firm Per Diem Rate or Median Rate (if applicable)	Total Cost (C x D)
A.1 Application/Software Architect: Lead Developer (Manet/Android)	Level 3	200	\$	\$
A.6 Programmer/Software Developer: Programmer for Laboratory Applications	Level 2	200	\$	\$

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A.6 Programmer/Software Developer: Firmware Software Engineer/Developer (Manet/Android)	Level 3	200	\$	\$
A.6 Programmer/Software Developer: Software Programmer (Manet/EXata Simulation)	Level 3	75	\$	\$
A.6 Programmer/Software Developer: Software Engineer for SDR	Level 3	100	\$	\$
Total Price Initial Contract Period				\$ <TBD>
Option Period 2 _____ to _____				
	(B)	(C)	(D)	(E)
Resource Category	Level of Expertise	Estimated Number of Days	Firm Per Diem Rate or Median Rate (if applicable)	Total Cost (C x D)
A.1 Application/Software Architect: Lead Developer (Manet/Android)	Level 3	200	\$	\$
A.6 Programmer/Software Developer: Programmer for Laboratory Applications	Level 2	200	\$	\$
A.6 Programmer/Software Developer: Firmware Software Engineer/Developer (Manet/Android)	Level 3	200	\$	\$
A.6 Programmer/Software Developer: Software Programmer (Manet/EXata Simulation)	Level 3	75	\$	\$
A.6 Programmer/Software Developer: Software Engineer for SDR	Level 3	100	\$	\$
Total Price Initial Contract Period				\$ <TBD>
Option Period 3 _____ to _____				
	(B)	(C)	(D)	(E)
Resource Category	Level of Expertise	Estimated Number of Days	Firm Per Diem Rate or Median Rate (if applicable)	Total Cost (C x D)
A.1 Application/Software Architect: Lead Developer (Manet/Android)	Level 3	200	\$	\$
A.6 Programmer/Software Developer: Programmer for Laboratory Applications	Level 2	200	\$	\$
A.6 Programmer/Software Developer: Firmware Software Engineer/Developer (Manet/Android)	Level 3	200	\$	\$
A.6 Programmer/Software Developer: Software Programmer (Manet/EXata Simulation)	Level 3	75	\$	\$

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A.6 Programmer/Software Developer: Software Engineer for SDR	Level 3	100	\$	\$
Total Price Initial Contract Period				\$ <TBD>
Option Period 4 _____ to _____				
	(B)	(C)	(D)	(E)
Resource Category	Level of Expertise	Estimated Number of Days	Firm Per Diem Rate or Median Rate (if applicable)	Total Cost (C x D)
A.1 Application/Software Architect: Lead Developer (Manet/Android)	Level 3	200	\$	\$
A.6 Programmer/Software Developer: Programmer for Laboratory Applications	Level 2	200	\$	\$
A.6 Programmer/Software Developer: Firmware Software Engineer/Developer (Manet/Android)	Level 3	200	\$	\$
A.6 Programmer/Software Developer: Software Programmer (Manet/EXata Simulation)	Level 3	75	\$	\$
A.6 Programmer/Software Developer: Software Engineer for SDR	Level 3	100	\$	\$
Total Price Initial Contract Period				\$ <TBD>
Total Bid Price				
(Initial Contract Period + Option Period 1 + Option Period 2 + Option Period 3 + Option Period 4)			\$ <TBD>	

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ATTACHMENT 5.1

FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY - CERTIFICATION

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

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

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

Complete both A and B.

A. Check only one of the following:

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

OR

- A5.2 The Bidder certifies having submitted the Agreement to Implement Employment Equity (LAB1168) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC-Labour.

B. Check only one of the following:

- B1. The Bidder is not a Joint Venture.

OR

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