

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Réception des soumissions - TPSGC / Bid
Receiving - PWGSC
1550, Avenue d'Estimauville
1550, D'Estimauville Avenue
Québec
Québec
G1J 0C7

**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 AT Modelisation & Simulation		
Solicitation No. - N° de l'invitation W7701-135622/A	Date 2013-11-21	
Client Reference No. - N° de référence du client W7701-135622		
GETS Reference No. - N° de référence de SEAG PW-\$QCL-018-15718		
File No. - N° de dossier QCL-3-36097 (018)	CCC No./N° CCC - FMS No./N° VME	
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-12-13		Time Zone Fuseau horaire Heure Normale du l'Est HNE
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: Piras, Gabriel		Buyer Id - Id de l'acheteur qcl018
Telephone No. - N° de téléphone (418) 649-2870 ()		FAX No. - N° de FAX (418) 648-2209
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: R&D POUR LA DÉFENCE CANADA - VALCARTIER BATIMENT 53 2459 BOUL. PIE XI, NORD QUÉBEC Québec G3J1X5 Canada		

Instructions: See Herein

Instructions: Voir aux présentes

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

Delivery Required - Livraison exigée VOIR NOTE	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

Issuing Office - Bureau de distribution
TPSGC/PWGSC
601-1550, Avenue d'Estimauville
Québec
Québec
G1J 0C7

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PART 1 - GENERAL INFORMATION

1. Introduction

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

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;
- Part 3 Bid Preparation Instructions: provides bidders with instructions on how to prepare their bid;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, and the basis of selection;
- Part 5 Certifications: 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 :

- Annex A Statement of Work
- Annex B Basis of Payment
- Annex C Contractor Disclosure of Foreground Information
- Annex D Non-disclosure Agreement
- Annex E Security Requirements Check List
- Annex F DND 626, Task Authorization Form

2. Summary

2.1 Objectives

1. Plan, implement, test, validate, verify, integrate and document models of platforms, decoy cartridges, weapons and sensors to study the protection and behaviours of certain platforms as well as the mission results using modelling and simulation;
2. Design, develop, test, validate, verify and document software components;
3. Design and execute military scenarios;
4. Analyze simulations;
5. Collect data from real systems; and
6. Manage and coordinate projects, which include, but are not limited to, ensuring effective coordination between various project stakeholders, determine the schedule and ensure that it is adhered to, assign tasks and manage the development team.

2.2 Background/History

In order to respond to military requirements more directly, the Defence experimentation Valcartier (DeV) section was created at DRDC Valcartier. The purpose of the section, which works jointly with defence scientists, is to transfer DRDC Valcartier knowledge to the Canadian Forces more effectively. The DeV section is committed to responding as best as possible to many of their queries concerning their current and future platforms and their equipment. Numerous projects have been set up to do this. Because of its versatility and integration capability, numerical simulation was one method selected to evaluate the performance of current and future military systems.

To be able to respond appropriately to clients using modelling and simulation, models will need to be created, tested, verified, validated and improved through iteration in order to achieve the desired level of fidelity. Since these models must accurately represent complex systems or phenomena, experimental work is done in advance or in parallel in order to better characterize the physics of the situation that is to be reproduced. This characterization work may be entrusted to the contractor.

The technical authority will decide on the optimal level of fidelity based on available information and data. The desired level of fidelity will be defined in the task authorizations. The contractor will be able to benefit from DRDC Valcartier expertise in terms of fine-tuning and validating the simulation components.

On numerous occasions, the contractor will verify and validate numerical models using a formal V&V process developed by DRDC Valcartier (based on the MSCO process).

2.3 Additional Information :

The organization for which the services are to be rendered is Defence Research and Development Canada - Valcartier (DRDC - Valcartier).

The period of the Contract is from date of Contract to March 31st, 2017, inclusive.

Estimated amount of available funding for this contract : \$860,000.00, Applicable Taxes extra.

The contractor will work with software for which DRDC Valcartier has site licences (RotorLib, 3D models, etc.). Also, the project encourages continued integration into a database used by several projects. The contractor shall be required to work in DRDC Valcartier laboratories to collect data to be used to create models. For this reason, classified and unclassified work must be done at the DRDC Valcartier site.

Defence Research and Development Canada - Valcartier has determined that any intellectual property rights arising from the performance of the Work under the resulting contract will belong to Canada.

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. Bidders should consult the "Security Requirements for PWGSC Bid Solicitations - Instructions for Bidders" (<http://www.tpsgc-pwgsc.gc.ca/app-acq/lc-pl/lc-pl-eng.html#a31>) document on the Departmental Standard Procurement Documents website."

Bidders must provide a list of names, or other related information as needed, pursuant to section 01 of Standard Instructions 2003.

For services requirements, Bidders in receipt of a pension or a lump sum payment must provide the required information as detailed in article 3 of Part 2 of the bid solicitation.

The requirement is subject to the provisions of the Agreement on Internal Trade (AIT).

The requirement is limited to Canadian goods and/or services.

This procurement is subject to the Controlled Goods Program.

3. Debriefings

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

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

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

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

The 2003 (2013-06-01) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) days

Insert: one hundred and twenty (120) days

1.1 SACC Manual Clauses

A7035T (2007-05-25), List of Proposed Subcontractors (2007-05-25) A7035T

2. Submission of Bids

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

Due to the nature of the bid solicitation, bids transmitted by facsimile or email to PWGSC will not be accepted.

3. Former Public Servant

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

Definitions

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

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

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

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

Former Public Servant in Receipt of a Pension

As per the above definitions, is the Bidder a FPS in receipt of a pension?

Yes ()

No ()

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

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

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

Work Force Adjustment Directive

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive?

Yes ()

No ()

If so, the Bidder must provide the following information:

- a. name of former public servant;
- b. conditions of the lump sum payment incentive;
- c. date of termination of employment;

- d. amount of lump sum payment;
- e. rate of pay on which lump sum payment is based;
- f. period of lump sum payment including start date, end date and number of weeks;
- g. number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

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

4. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority, preferably via email at gabriel.piras@tpsgc-pwgsc.gc.ca, **no later than five (5) calendar days before the bid closing date**. Enquiries received after that time may not be answered.

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

5. Applicable Laws

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

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

6. Basis for Canada's Ownership of Intellectual Property

Canada has determined that any intellectual property rights arising from the performance of the Work under the resulting contract will belong to Canada on the following grounds:

The Treasury Board, granted Defence Research and Development Canada exemption from the Treasury Board Policy on "Title to Intellectual Property Arising Under Crown Procurement Contracts"

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

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

- Section I: Technical Bid (5 hard copies)
- Section II: Financial Bid (2 hard copies)
- Section III: Certifications (1 hard copy)

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

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

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

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

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

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

1.1 Section I : Technical Bid

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

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

- (b) The technical bid consists of the following:
 - (i) **All the information required to demonstrate its conformity with the Mandatory and Point Rated Technical Criteria** described in Sections 1.1.1 and 1.1.2, Part 4, of this document.

1.2 Section II : Financial Bid

Bidders must submit their financial bid in accordance with the following :

- (a) **Pricing** : Bidders must submit a firm all-inclusive hourly rate for each resource proposed, for each year of the contract period.
- (b) The information must be provided in accordance with the Basis of Payment in Annex B.
- (c) No travel and living expenses will be paid for services provided within the Quebec Region (including DRDC Valcartier facilities.) Further, Canada will not accept any travel and living expenses for travel between the contractor's place of business and the Quebec region (including DRDC Valcartier facilities). All these cost must be included in the firm all-inclusive hourly rates.
- (d) Prices must be in Canadian dollars, Applicable Taxes excluded, FOB destination, Canadian customs duties and excise taxes included.

1.2.1 Exchange Rate Fluctuation

C3011T (2010-01-11), Exchange Rate Fluctuation

1.3 Section III : Certifications

Bidders must submit the certifications required under Part 5.

1.3.1 Renseignements supplémentaires

Bidders must provide a list of names, or other related information as needed, pursuant to section 01 of Standard Instructions 2003.

For services requirements, Bidders in receipt of a pension or a lump sum payment must provide the required information as detailed in article 3 of Part 2 of the bid solicitation.

Canada requests that bidders provide the following information :

Administrative representative :

Name : _____

Telephone : _____

Facsimile : _____

Email : _____

Technical representative :

Name : _____

Telephone : _____

Facsimile : _____

Email : _____

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

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

1.1 Technical Evaluation

Except where expressly provided otherwise, the experience described in the bid must be the experience of the Bidder itself (which includes the experience of any companies that formed the Bidder by way of a merger but does not include any experience acquired through a purchase of assets or an assignment of contract). The experience of the Bidder's affiliates (i.e. parent, subsidiary or sister corporations), subcontractors, or suppliers will not be considered.

1.1.1 Mandatory Technical Criteria

Refer to Attachment 2, Mandatory and Point Rated Technical Criteria.

1.1.2 Point Rated Technical Criteria

Refer to Attachment 2, Mandatory and Point Rated Technical Criteria.

1.2 Financial Evaluation

1.2.1 Mandatory Financial Criteria

- (a) Bidders must submit a firm all-inclusive hourly rate for each resource proposed, for each year of the contract period.
- (b) The information must be provided in accordance with the Basis of Payment in Annex B.

1.2.2 Evaluation of Price

The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, FOB destination, Canadian customs duties and excise taxes included.

For evaluation purposes only, the price of the bid will be determined as detailed in Attachment 1, Evaluation of Price.

2. Basis of Selection

- 1. To be declared responsive, a bid must:
 - (a) comply with all the requirements of the bid solicitation;

- (b) meet all mandatory criteria; and
- (c) obtain the required minimum points for each criterion and each group of criteria with a pass mark; and
2. Bids not meeting (a) or (b) or (c) will be declared non-responsive.
 3. The evaluation will be based on the highest responsive combined rating of technical merit and price. The ratio will be 60% for the technical merit and 40% for the price.
 4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 60%.
 5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 40%.
 6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.
 7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 60/40 ratio of technical merit and price, respectively. The total available points equals 100 and the lowest evaluated price is \$812,800.33.

Basis of Selection - Highest Combined Rating Technical Merit (60%) and Price (40%)

	Bidder		
	Bidder 1	Bidder 2	Bidder 3
Overall Technical Score	110/130	65/130	75/130
Bid Evaluated Price	\$909 403.93	\$812 800.33	\$857 795.74
Calculations			
Technical Merit Score	$110/130 \times 60 = 50.8$	$65/130 \times 60 = 30$	$75/130 \times 60 = 34.6$
Pricing Score	$813/909 \times 40 = 35.8$	$813/813 \times 40 = 40$	$813/858 \times 40 = 37.9$
Combined Rating	86.6	70	72.5
Overall Rating	3^e	1^{er}	2^e

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and documentation 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 during the bid evaluation period or during the contract period.

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

1. Mandatory Certifications Required Precedent to Contract Award

1.1 Code of Conduct and Certifications - Related documentation

By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Bid of Standard Instructions 2003. The related documentation therein required will assist Canada in confirming that the certifications are true.

1.2 Federal Contractors Program for Employment Equity - Bid Certification

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

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

2. Additional Certifications Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will so inform the Bidder and provide the Bidder 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 that time period will render the bid non-responsive.

2.1 Canadian Content Certification

This procurement is limited to Canadian services.

The Bidder certifies that:

- () the service(s) offered is(are) a Canadian service as defined in paragraph 2 of clause A3050T.

2.1.1 *SACC Manual* clause A3050T (2010-01-11), Canadian Content Definition.

2.2 Status and Availability of Resources

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

If the Bidder has proposed any individual who is not an employee of the Bidder, 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.

2.3 Education and Experience

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.

2.4 Language Capability

The Bidder certifies that it has the language capability required to perform the Work, as stipulated in the Statement of Work.

PART 6 - SECURITY, FINANCIAL AND OTHER REQUIREMENTS

1. Security Requirement

1. Before award of a contract, the following conditions must be met:
 - (a) the Bidder must hold a valid organization security clearance as indicated in Part 7 - Resulting Contract Clauses;
 - (b) 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;
 - (c) the Bidder must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites;
2. Bidders are reminded to obtain the required security clearance promptly. Any delay in the award of a contract to allow the successful bidder to obtain the required clearance will be at the entire discretion of the Contracting Authority.
3. For additional information on security requirements, bidders should consult the "Security Requirements for PWGSC Bid Solicitations - Instructions for Bidders" (<http://www.tpsgc-pwgsc.gc.ca/app-acq/lc-pl/lc-pl-eng.html#a31>) document on the Departmental Standard Procurement Documents website.

2. Financial Capability

Manual SACC clause A9033T (2012-07-16), Financial Capability

3. Controlled Goods Requirement

SACC Manual clause A9130T (2011-05-16), Controlled Goods Program

PART 7 - RESULTING CONTRACT CLAUSES

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

1. Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at Annex A and the Contractor's technical bid entitled _____ (to be completed at Contract award), dated _____ (to be completed at Contract award).

1.1 Task Authorization

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

1.1.1 Task Authorization Process

1. The DND Procurement Authority will provide the Contractor with a description of the task using the DND 626, Task Authorization Form specified in Annex F.
2. The Task Authorization (TA) will contain the details of the activities to be performed, a description of the deliverables, and a schedule indicating completion dates for the major activities or submission dates for the deliverables. The TA will also include the applicable basis(bases) and methods of payment as specified in the Contract. When it is required by DND Procurement Authority, the contractor must also provide a technical proposal that must include one or many of the following items :
 - (a) a description of the understanding of objectives and scope of the work,
 - (b) a description of the approach and methodology that will be put forward to perform the work,
 - (c) a description of the anticipated deliverables,
 - (d) an estimation of the level of success anticipated for the activities to be performed,
 - (e) the deviations proposed to the requirements,
 - (f) an identification of the major risks and a mitigation plan for each of them,
 - (g) a complete work schedule and a prioritization of the activities to be performed.
3. The Contractor must provide the DND Procurement Authority, **within five (5) calendar days** of its receipt, the proposed total estimated cost for performing the task and a breakdown of that cost, established in accordance with the Basis of Payment specified in the Contract.
4. The Contractor must not commence work until a TA authorized by the DND Procurement Authority has been received by the Contractor. The Contractor

acknowledges that any work performed before a TA has been received will be done at the Contractor's own risk.

1.1.2 Task Authorization Limit

The DND Procurement Authority may authorize individual task authorizations up to a limit of **\$150,000.00**, Applicable Taxes included, inclusive of any revisions.

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

1.2.3 Minimum Work Guarantee - All the Work - Task Authorizations

1. In this clause,

"Maximum Contract Value" means the amount specified in the "Limitation of Expenditure" clause set out in the Contract; and

"Minimum Contract Value" means 10%.

2. 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 paragraph 3. 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.
3. In the event that Canada does not request work in the amount of the Minimum Contract Value during the period of the Contract, Canada must pay the Contractor the difference between the Minimum Contract Value and the total cost of the Work requested.
4. Canada will have no obligation to the Contractor under this clause if Canada terminates the Contract in whole or in part for default.

1.1.4 Task Authorization - Department of National Defence

The administration of the Task Authorization process will be carried out by **The Procurement and Payment group at Defence Research and Development Canada - Valcartier, represented by the DND Procurement Authority**. This process includes monitoring, controlling and reporting on expenditures of the contract with task authorizations to the Contracting Authority.

1.2 Disclosure Certification

On completion of the Work, the Contractor must submit to the Technical Authority and to the Contracting Authority a copy of the Contractor Disclosure of Foreground Information attached as Annex C stating that all applicable disclosures were submitted.

2. 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.

2.1 General Conditions

2040 (2013-06-27), General Conditions - Research & Development, apply to and form part of the Contract.

2.2 Supplemental General Conditions

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

2.3 SACC Manual Clauses

K3410C (2008-12-12), Canada to Own Intellectual Property Rights in Foreground Information
K3305C (2008-05-12), License to Intellectual Property Rights in Foreground Information

2.4 Non-disclosure Agreement

The Contractor must obtain from each proposed resource the completed and signed non-disclosure agreement, attached at Annex D, and provide it to the Technical Authority before they are given access to information by or on behalf of Canada in connection with the Work.

3. Security Requirement

3.1 The following security requirement (SRCL and related clauses) applies and form part of the Contract.

SECURITY REQUIREMENT FOR CANADIAN SUPPLIER:
PWGSC FILE #: W7701-135622

1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid Facility Security Clearance at the level of NATO SECRET, issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
2. This contract includes access to controlled goods. Prior to access, the contractor must be registered in the Controlled Goods Program of Public Works and Government Services Canada.

In order to gain access to Controlled Goods, the contractor personnel, who DND would deem to be embedded contractors, pursuant to the 2007 Exchange of Letters between DND and the U.S. Department of State, must EACH be citizens of Canada and hold a valid SECRET clearance, granted or approved by CISD/PWGSC.

3. The Contractor/Offeror personnel requiring access to CLASSIFIED/PROTECTED information, assets or sensitive work site(s) must EACH hold a valid personnel security screening at the level of SECRET, granted or approved by CISD/PWGSC.
4. The Contractor/Offeror personnel requiring access to CLASSIFIED information, assets or sensitive work site(s) must be citizens of Australia, Canada, the United Kingdom, or the United States and must EACH hold a valid personnel security screening at the level of SECRET, granted or approved by CISD/PWGSC.
5. The Contractor/Offeror personnel requiring access to NATO UNCLASSIFIED information or assets do not require to hold a personnel security clearance; however, the Contractor must ensure that the NATO Unclassified information is not releasable to third parties and that the "need to know" principle is applied to personnel accessing this information
6. The Contractor/Offeror personnel requiring access to NATO CLASSIFIED information, assets or sensitive work site(s) must be permanent residents of Canada or citizens of a NATO member country and EACH hold a valid personnel security screening at the level of NATO SECRET, granted or approved by the appropriate delegated Nato Security Authority.
7. The Contractor/Offeror personnel requiring access to FOREIGN CLASSIFIED information, assets or sensitive work site(s)) must be citizens of Australia, Canada, the United Kingdom, or the United States and must EACH hold a valid personnel security screening at the level of SECRET, granted or approved by CISD/PWGSC.
8. The Contractor/Offeror MUST NOT remove any CLASSIFIED/PROTECTED information from the identified work site(s), and the Contractor/Offeror must ensure that its personnel are made aware of and comply with this restriction.
9. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of CISD/PWGSC.
10. The Contractor/Offeror must comply with the provisions of the:
 - (a) Security Requirements Check List and security guide (if applicable), attached at Annex E.
 - (b) Industrial Security Manual (Latest Edition).

NOTE: There are multiple levels of release restrictions associated with this file. A Security Guide is included with the SRCL clarifying these restrictions.

NOTE: There are multiple levels of personnel security screenings associated with this file. A Security Classification Guide is included with the SRCL clarifying these screenings.

NOTE: As Australia is not a NATO country, no NATO information will be released Australians unless special permission is obtained from CISD

4. Term of Contract

4.1 Period of the Contract

The period of the Contract is from date of Contract to March 31st, 2017, inclusive.

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Gabriel Piras
Public Works and Government Services Canada
601-1550 D'Estimauville
Québec, QC.
G1J 0C7

Telephone: 418-649-2870
Facsimile: 418-649-2209
E-mail address: Gabriel.Piras@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.

5.2 Technical Authority (to be completed at Contract award)

The Technical Authority for the Contract is:

Name :
Organization:
Telephone:
Facsimile:
E-mail address:

The Technical 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 Technical Authority; however, the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

5.3 Contractor's Representative (to be completed at Contract award)

Administrative representative :

Name : _____
Telephone : _____
Facsimile : _____
Email : _____

Technical representative :

Name : _____
Telephone : _____
Facsimile : _____
Email : _____

5.4 DND Procurement Authority (to be completed at Contract award)

The DND Procurement Authority for the Contract is:

Name :

Organization :

Telephone:

Facsimile:

E-mail address:

The DND Procurement Authority is the representative of the department or agency for whom the Work is being carried out under the Contract. The DND Procurement Authority is responsible for the implementation of tools and processes required for the administration of the Task Authorizations. The Contractor may discuss administrative matters identified in Task Authorizations with the DND Procurement Authority however the DND Procurement Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of Work can only be made through a contract amendment issued by the Contracting Authority.

6. Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a Public Service Superannuation Act (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with Contracting Policy Notice: 2012-2 of the Treasury Board Secretariat of Canada.

7. Payment

7.1 Basis of Payment

(i) Professional Services provided under a Task Authorization subject to a Firm Price:

In consideration of the Contractor satisfactorily completing all of its obligations under the authorized Task Authorization (TA), the Contractor will be paid a firm price in accordance with the basis of payment, in Annex B, as specified in the authorized TA. Customs duties are included and Applicable Taxes are extra.

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

(ii) Professional Services provided under a Task Authorization subject to a Ceiling Price :

The Contractor will be reimbursed its costs reasonably and properly incurred in the performance of the Work, plus a profit, as determined in accordance with the Basis of Payment in Annex B, to the ceiling price specified in the approved TA. Customs duties are included and Applicable Taxes are extra.

The ceiling price is subject to downward adjustment so as not to exceed the actual costs reasonably incurred in the performance of the Work and computed in accordance with the Basis of Payment.

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

(iii) Professional Services provided under a Task Authorization subject to a Limitation of Expenditure :

The Contractor will be reimbursed for the costs reasonably and properly incurred in the performance of the Work specified in the authorized Task Authorization (TA), as determined in accordance with the Basis of Payment in Annex B, to the limitation of expenditure specified in the authorized TA.

Canada's liability to the Contractor under the authorized TA must not exceed the limitation of expenditure specified in the authorized TA. Customs duties are included and Applicable Taxes are extra.

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

(iv) Travel and Living Expenses :

There will be no travel time or travel and living expenses payable for services rendered within 50 kilometres from Defence Research and Development Canada - Valcartier, located at 2459 Pie-XI Blvd North, Quebec City, Quebec.

For services rendered further than 50 kilometres from Defence Research and Development Canada - Valcartier, the Contractor will be paid its actual travel time in accordance with the hourly rates detailed in Annex B, Basis of Payment.

The Contractor will be reimbursed for the authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for overhead or profit, in accordance with the meal, private vehicle and incidental expense allowances specified in Appendices B, C and D of the 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 Technical Authority.

7.2 Limitation of Expenditure - Cumulative Total of all Task Authorizations

1. Canada's total liability to the Contractor under the Contract for all authorized Task Authorizations (TAs), inclusive of any revisions, must not exceed the sum of **\$860,000.00**. Customs duties are included and Applicable Taxes are extra.

2. 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.
3. 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) four (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.
4. If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority, a written estimate for the additional funds required. Provision of such information by the Contractor does not increase Canada's liability.

7.3 Method of Payment

7.3.1 Payments will be made not more frequently than once a month.

7.3.2 Depending on the method of payment specified in the applicable TA, one of the following methods of payment clauses will apply.

7.3.2.1 Single Payment (For a Firm Price TA, for a TA subject to a Limitation of Expenditure or a Ceiling Price)

Canada will pay the Contractor upon completion and delivery of the Work associated with the Task Authorization in accordance with the payment provisions of the Contract if:

- (a) an accurate and complete claim for payment using PWGSC-TPSGC 1111, Claim for Progress Payment, and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- (b) all such documents have been verified by Canada;
- (c) the Work delivered has been accepted by Canada.

7.3.2.2 Milestone Payments (For a Firm Price TA)

For any task authorization issued under the Contract that includes a schedule of milestone payments to be made once specific portions of the work have been completed and accepted, Canada will make milestone payments in accordance with the Schedule of Milestones detailed in the Task Authorization and the payment provisions of the Contract if:

- (a) an accurate and complete claim for milestone payment using PWGSC-TPSGC 1111, Claim for Progress Payment, and any other document required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;

- (b) all the certificates appearing on form PWGSC-TPSGC 1111 have been signed by the respective authorized representatives;
- (c) all work associated with the milestone and as applicable any deliverable required has been completed and accepted by Canada.

7.3.2.3 Progress Payments (For a TA subject to a Limitation of Expenditure or a Ceiling Price)

- (a) Canada will make progress payments in accordance with the payment provisions of the Task Authorization and the Contract, no more than once a month, for costs incurred in the performance of the Work up to 90 percent of the amount claimed and approved by Canada if:
 - (i) an accurate and complete claim for payment using form PWGSC-TPSGC 1111, Claim for Progress Payment, and any other document required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
 - (ii) the amount claimed is in accordance with the Basis of Payment and the Task Authorization;
 - (iii) the total amount for all progress payments paid by Canada does not exceed 90 percent of the total amount to be paid under the Task Authorization.
 - (iv) all certificates appearing on form PWGSC-TPSGC 1111 have been signed by the respective authorized representatives.
- (b) The balance of the amount payable will be paid in accordance with the payment provisions of the Task Authorization and the Contract upon completion and delivery of all work required under the Task Authorization if the Work has been accepted by Canada and a final claim for the payment is submitted.
- (c) Progress payments are interim payments only. Canada may conduct a government audit and interim time and cost verifications and reserves the right to make adjustments to the Contract from time to time during the performance of the Work. Any overpayment resulting from progress payments or otherwise must be refunded promptly to Canada.

7.4 SACC Manual Clauses

A9117C (2007-11-30), T1204 - Direct Request by Customer Department
C0305C (2008-05-12), Cost Submission

7.5 Discretionary Audit

SACC Manual Clause C0705C (2010-01-11), Discretionary Audit

8. Invoicing Instructions

1. The Contractor must submit a claim for payment using form PWGSC-TPSGC 1111. Form PWGSC-TPSGC 1111 is available at the following Website <http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html>

Each claim must show:

- (a) all information required on form PWGSC-TPSGC 1111;
 - (b) all applicable information detailed under the section entitled "Invoice Submission" of the general conditions;
 - (c) the Task Authorization (TA) number;
 - (d) the description of the milestone invoiced, as applicable.
2. For TAs subject to a Limitation of Expenditure or a Ceiling Price, each invoice must be supported by :
 - (a) a list of all expenses, in accordance with the TA;
 - (b) a copy of time sheets to support the time claimed;
 - (c) a copy of the invoices, receipts, vouchers for all direct expenses, travel and living expenses;
 - (d) a copy of the monthly progress report.
3. Applicable Taxes must be calculated on the total amount of the claim before the holdback is applied. At the time the holdback is claimed, there will be no Applicable Taxes payable as it was claimed and payable under the previous claims for progress payments.
4. The Contractor must prepare and certify one original and two (2) copies of the claim on form PWGSC-TPSGC 1111, and forward it to the Contracting Authority for certification.

ATTN: Mrs Suzanne Larrivée

Public Works and Government Services Canada
601-1550 D'Estimauville
Québec, QC.
G1J 0C7

The Contracting Authority will then forward the original and two (2) copies of the claim to the Technical Authority for appropriate certification after inspection and acceptance of the Work takes place, and onward submission to the Payment Office for the remaining certification and payment.

5. The Contractor must not submit claims until all work identified in the claim is completed.

9. Certifications

9.1 Compliance

Compliance with the certifications and related documentation provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification, provide the related documentation 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.

9.2 SACC Manual Clauses

A3060C (2008-05-12), Canadian Content Certification

10. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____. (***The province or territory will be specified at Contract award.***)

11. Priority of Documents

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

- (a) the Articles of Agreement;
- (b) the supplemental general conditions 4002 (2010-08-16), Software Development or Modification Services;
- (c) the general conditions 2040 (2013-06-27), General Conditions - Research & Development;
- (d) Annex A, Statement of Work;
- (e) Annex B, Basis of Payment;
- (f) Annex C, Contractor Disclosure of Foreground Information;
- (g) Annex D, Security Requirements Check List;
- (h) Annex E, DND 626, Task Authorization Form;
- (i) the signed Task Authorizations (including all of its annexes, if any);
- (j) the Contractor's bid dated _____ (***date of bid to be inserted at Contract award***)

12. Defence Contract

SACC Manual clause A9006C (2008-05-12), Defence Contract

13. Foreign Nationals (Canadian Contractor)

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

14. Insurance

SACC Manual clause G1005C (2008-05-12), Insurance

15. Controlled Goods Program

15.1 SACC Manual clause A9131C A9131C (2011-05-16), Controlled Goods Program

15.2 SACC Manual clause B4060C (2011-05-16), Controlled Goods

16. Progress Reports

1. The Contractor must submit monthly reports, on the first business day of each month, in electronic format, on the progress of the Work, to both the Technical Authority and the Contracting Authority.
2. The progress report must contain two parts:

(a) PART 1 : The Contractor must answer the following three questions:

- (i) Is the project on schedule?
- (ii) Is the project within budget?
- (iii) Is the project free of any areas of concern in which the assistance or guidance of Canada may be required?

Each negative response must be supported with an explanation.

(b) PART 2 : A narrative report, brief, yet sufficiently detailed to enable both the Technical Authority and the Contracting Authority to evaluate the progress of the Work, containing as a minimum:

- (i) A description of the progress of each task and of the Work as a whole during the period of the report. Sufficient sketches, diagrams, photographs, etc., must be included, if necessary, to describe the progress accomplished.
- (ii) An explanation of any variation from the work plan.
- (iii) A description of trips or conferences connected with the Contract during the period of the report.
- (iv) A description of any major equipment purchased or constructed during the period of the report.

17. Site Regulations

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

18. Identification Badge

SACC Manual clause A9065C (2006-06-16), Identification Badge.

ANNEX A**STATEMENT OF WORK****1. General****1.1 Title**

Modelling and Simulation of Military Platform Systems and Behaviours

1.2 Objective

1. Plan, implement, test, validate, verify, integrate and document models of platforms, decoy cartridges, weapons and sensors to study the protection and behaviours of certain platforms as well as the mission results using modelling and simulation;
2. Design, develop, test, validate, verify and document software components;
3. Design and execute military scenarios;
4. Analyze simulations;
5. Collect data from real systems; and
6. Manage and coordinate projects, which include, but are not limited to, ensuring effective coordination between various project stakeholders, determine the schedule and ensure that it is adhered to, assign tasks and manage the development team.

1.3 Background/History

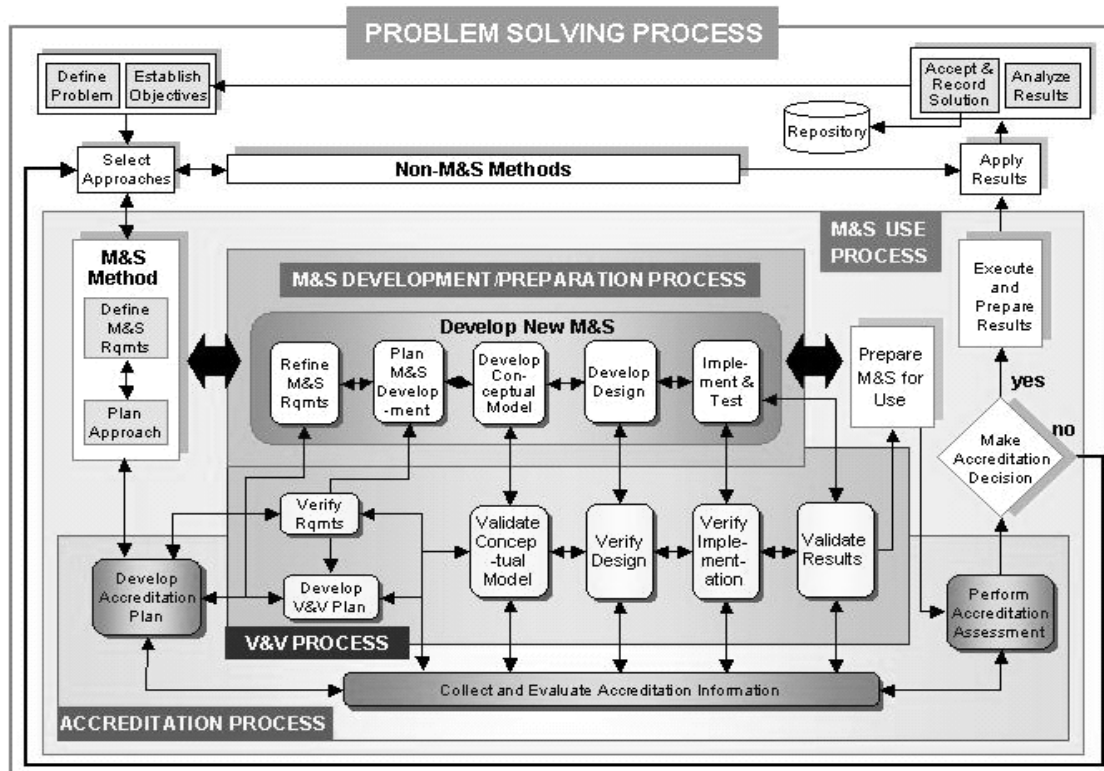
In order to respond to military requirements more directly, the Defence experimentation Valcartier (DeV) section was created at DRDC Valcartier. The purpose of the section, which works jointly with defence scientists, is to transfer DRDC Valcartier knowledge to the Canadian Forces more effectively. The DeV section is committed to responding as best as possible to many of their queries concerning their current and future platforms and their equipment. Numerous projects have been set up to do this. Because of its versatility and integration capability, numerical simulation was one method selected to evaluate the performance of current and future military systems.

To be able to respond appropriately to clients using modelling and simulation, models will need to be created, tested, verified, validated and improved through iteration in order to achieve the desired level of fidelity. Since these models must accurately represent complex systems or phenomena, experimental work is done in advance or in parallel in order to better characterize the physics of the situation that is to be reproduced. This characterization work may be entrusted to the contractor.

The technical authority will decide on the optimal level of fidelity based on available information and data. The desired level of fidelity will be defined in the task authorizations. The contractor will be able to benefit from DRDC Valcartier expertise in terms of fine-tuning and validating the simulation components.

On numerous occasions, the contractor will verify and validate numerical models using a formal V&V process developed by DRDC Valcartier (based on the MSCO process).

Figure 1 illustrates the V&V process to be followed.



VV&A and New M&S Development

5/15/01

Figure 1 – MSCO Verification and Validation Process

The steps of the established V&V process can be described as follows:

- i. Define requirements: The first step is to define the requirements. The system must be precisely characterized so that the developer can create a component that meets the client's requirements.
- ii. Verify requirements: The developer must then ensure that it clearly understands the stated requirements. This way, the developer is sure to develop a system that adequately meets the client's requirements (as determined beforehand).
- iii. Create a V&V plan: The next step is to develop a verification and validation (V&V) plan. This plan plays a crucial role in the V&V process because the V&V strategies to be applied in each of the upcoming phases are determined within it. The plan also contains the tests to conduct, the data available, the expected results and the criteria to determine whether or not a requirement has been met.

-
- iv. Validate conceptual model: Once the conceptual model is complete, it must be validated by different people to ensure that all of the client's requirements have been taken into consideration. A frequently used method for this step is peer review.
 - v. Verify design: At the end of the design phase, the system is verified to ensure that the developer has followed best software engineering practices and to ensure once again that all of the client's requirements have been met.
 - vi. Verify implementation: The next step is to verify implementation. In this step, the developer's implementation is verified. This consists of verifying that implementation complies with programming rules, is optimized and is properly documented. A series of unit and integration tests must also be performed by an individual other than the developer. This step also makes it possible to collect internal data and verify that the data correspond to existing data representing the real system.
 - vii. Validate results: The next step is to validate the results. The data output from the system must be validated with data from the real system. Also, a validation must be done to determine whether the system meets all of the client's previously defined requirements. At the end of this step, a report must be prepared describing the results of the various phases of the V&V process.
 - viii. Make accreditation decision: The last step is to decide whether or not to accredit the system. A system is accredited if the V&V process has been applied and if it meets all of the client's requirements and complies with the acceptance criteria.

1.4 Acronyms

TA	Task Authorization
CM	Countermeasure
DeV	Defence Engineering Valcartier
DLL	Dynamic Link Library
IR	Infrared
M&S	Modelling and Simulation
MSCO	Modeling and Simulation Coordination Office
DRDC	Defence Research and Development Canada
UML	Unified Modeling Language
UV	Ultraviolet
V&V	Verification and Validation
XML	eXtensible Markup Language

2. APPLICABLE DOCUMENTS (references)

3. SCOPE OF WORK

Develop simulation components by following the processes determined by the technical authority, creating and conducting simulations and providing support during analysis of these simulations and providing support during data collection. These data will make it possible to construct and validate numerical models of aerial platforms, weapons, countermeasures and sensors. The contractor may also need to manage and coordinate projects. The work will be divided into a number of tasks described below:

3.1 Task 1 – Create numerical models

Design, develop, test, document in iterative cycles and follow a development process based on best software engineering practices (Modularity, Extensibility, Reuse, Testing, Documentation, etc.) for numerical models until the desired degree of fidelity is reached. The desired degree of fidelity will be defined in the task authorizations. These development cycles must be followed by developers: definition of requirements, creation of the conceptual model, design, development, testing phase, integration and documentation. The main numerical models that may require development by the contractor include, but are not limited to:

- Threats, including signatures (UV, IR and visible), their appropriate guidance and tracking systems, and their dynamic (including autopilot, control, propulsion and aerodynamics);
- Military platforms equipped with the appropriate dynamic, doctrine, signatures (UV, IR and visible), and related equipment;
- Various countermeasures of the dynamic and its signatures (UV, IR and visible); and
- Environment, including generation of the scene, atmospheric transmittance and interaction between the sensor and the target.

The detailed specifications for the components shall be defined when the tasks are authorized. The optimal fidelity to be achieved shall also be determined by the technical authority at the same time as task authorization, before the start of the development cycle. The contractor shall prepare the technical documentation for each part of the development cycle and also at the very end.

3.2 Task 2 – Verify and validate numerical models/software components

Verify and validate numerical models or software components in accordance with the V&V process in place. This includes preparing a V&V plan prior to developing each software component. During development, a V&V report must be prepared by the contractor. Besides the analysis of the verification and validation results, the report will include the limitations of the model and how it should be used by future users. The contractor will have to interact with various stakeholders and follow the steps of the process. The contractor must be able to provide a resource, other than the person who developed the model, to test and validate the model. The V&V conclusions will be used by the technical authority to determine whether the model or software component has attained the desired level of fidelity or if new iterations will be necessary to improve the model's fidelity.

3.3 Task 3 – Analyze, modify or create software components or tools

The contractor shall be responsible for analyzing, modifying or creating software components or tools related to modelling and simulation. The contractor shall perform one or more of the following steps:

- Analysis: Analyze the various ways of modifying or creating the software component or tool. Check whether there are already similar products on the market. Next, submit the analysis to the technical authority, who will work with the contractor to decide the best strategy to use for conceptualizing the work to be done.
- Conceptualization: Develop the concept and use UML to create a conceptual diagram of the component or tool being modified or created.
- Design: Create the design and use UML to create a class diagram representing the component or tool being modified or created. The class diagram shall include the various interactions with the other modules, if applicable.
- Development: Develop the software using Visual Studio 2010. Follow the programming standards in effect and the development standards provided by the technical authority.

- Testing: Perform a series of tests to ensure the integrity of the software tool or component.
- Documentation: Document each step: analysis, conceptualization, design, development and testing.

The contractor shall ensure that the work carried out is compatible with the systems and models prepared by the other teams using the same simulation architecture to ensure integration of the final product. The simulation architecture to be used will be determined at the task authorization stage.

3.4 Task 4 – Support execution of the software components in a series of simulations

Create scenarios by including software components, developed in tasks 1 to 3, and execute them to assess the effectiveness of Canadian platforms and their equipment in realistic scenarios. The technical authority will submit the details of the scenarios to be implemented to the contractor at the same time as the task authorization, based on information from the military client. The scenarios could be presented as a series of engagements or missions involving different combinations of threats, aircraft and CM for various aspects (front, transverse or rear), altitudes, flight speeds and ranges. Based on the results of the simulation passes, additional developments (iterative cycles) may be required to refine the software components and thereby improve the accuracy of the results.

3.5 Task 5 – Analyze simulations

Analyze the data collected from the simulations. The task authorization will indicate the type of analysis to be performed and will provide a clear, precise task list. The analysis may include, but is not limited to, the effectiveness of doctrines, missions or platforms and their equipment. The contractor shall draft reports describing the results of its analyses.

3.6 Task 6 – Collect data from real systems

Participate in field or laboratory tests to collect data used to build or validate a specific model. If participation is required, a clear mandate will be given to the contractor when the task authorization is implemented.

3.7 Task 7 – Manage and coordinate projects

Ensure proper continuity of military projects by performing management tasks. For example, the contractor may have to contact clients to provide a report or answer any questions. Project coordination may also be required. Consequently, the contractor may be required to communicate with collaborators both within and outside of DRDC Valcartier in order to coordinate work and to ensure that deliverables will be completed on schedule. The scope of work will be specified in the task authorizations. This task will not be a separate task; it will always be part of a set of tasks.

3.8 Other considerations

Work time may also be allocated to support simulation demos during presentations or conferences with clients. These demos may be held outside of DRDC Valcartier premises.

4. REPORTS AND OTHER DELIVERABLES

4.1 Reports and other deliverables

The primary deliverables during this contract are listed below for each task. The contractor's work and deliverables must be added to the Subversion database in KARMA (not an acronym), as they are received, following the technical authority's instructions. At the end of the development cycle for each software component, the data must be added to the database. In addition to being a data management tool, the KARMA database serves as a backup structure for all important contract documents. The contractor may also be asked to submit deliverables in hard copy. All writing shall be done in English, unless the technical authority indicates otherwise. **The deliverables for each task will be specified in the task authorization, and may include, but will not be limited to:**

Deliverables for Task 1

- i. Static and dynamic UML diagrams (use cases, class diagrams, etc.) of the models, including the follow-up of requirements as demonstrated by static testing. The diagrams are to be incorporated into the existing KARMA UML diagrams;
- ii. All source code for the software components produced or revised during this contract;
- iii. The compiled version of each software component produced, either in DLL format or in an executable format (functional and tested);
- iv. The technical documentation for the software components produced throughout this contract. Technical documentation must also be included in the UML diagrams and generated in the XML files and source code;
- v. The XML files for the parameters and composition of the entities; and
- vi. The required documentation must precisely describe the use and maintenance of the software components (in Microsoft Word format).

Deliverables for Task 2

- i. The verification and validation plan for each model or software component describing, among other things, the verification and validation strategy that will be used during development (in Microsoft Word format); and
- ii. The verification and validation report describing the V&V results obtained during the application of the process (in Microsoft Word format).

Deliverables for Task 3

- i. Static and dynamic UML diagrams (use cases, class diagrams, etc.) of the architecture software components, including the follow-up of requirements as demonstrated by static testing. The diagrams are to be incorporated into the existing KARMA UML diagrams;
- ii. All source code for the software components produced or revised during this contract;
- iii. The compiled version of each software component produced, either in DLL format or in an executable format (functional and tested);

- iv. The technical documentation for the software components produced throughout this contract. Technical documentation must also be included in the UML diagrams and generated in the XML files and source code; and
- v. The required documentation must precisely describe the use and maintenance of the software components (in Microsoft Word format).

Deliverables for Task 4

- i. The data collected during execution of the simulations;
- ii. The XML files for the scenarios completed; and
- iii. A document describing the different scenarios created and the data collected (in Microsoft Word format).

Deliverables for Task 5

- i. Documents describing the analysis of the engagement simulations (in Microsoft Word format).

Deliverables for Task 6

- i. The data collected during the collection of data from real systems; and
- ii. A document describing the various tests carried out to collect the data (in Microsoft Word format).

Deliverables for Task 7

- i. Monthly project progress report (in Microsoft Word format);
- ii. Schedule in Gantt chart format (in Microsoft Word format); and
- iii. Coordination document (document describing the interaction between the various individuals involved in the project) (in Microsoft Word format).

Deliverables for each task authorization

- i. An end-of-task report describing the task completed, deliverables, budget spent compared with the budget forecast, problems encountered, lessons learned and improvements to make in similar tasks in the future (in Microsoft Word format).
- ii. Monthly progress report as specified in the section entitled "Periodic Reports."
- iii. All of the equipment purchased by the contractor as part of the task authorization.

5. MEETINGS

Once one or more tasks are active, weekly meetings shall be held on DRDC Valcartier premises or by teleconference to evaluate progress made, problems encountered and upcoming work.

Once one or more tasks are active, a semi-annual meeting will be held on DRDC Valcartier premises to evaluate management of the tasks and deliverables, determine the technical and administrative problems encountered and anticipated, and evaluate the situation in terms of the schedule.

6. GOVERNMENT-SUPPLIED MATERIEL (GSM)

The contractor shall have access to DRDC Valcartier's KARMA database as a source of models. This database shall be made available to the contractor at the start of work. The contractor shall also have access to the technical documentation for the process and tools. This information is reserved exclusively for the needs of this project.

The contractor will have access to the M&S laboratory. DRDC Valcartier may provide a maximum of 5 workstations to the contractor. The contractor shall therefore manage its personnel while taking this constraint into account. The workstations shall include computers and the necessary software for the contractor to complete the work required.

Some DRDC Valcartier experts will be involved as the contract progresses. These experts will intervene in the Verification and Validation process to ensure the accuracy of the work being done by the contractor.

The contractor may be responsible for purchasing all additional equipment needed to carry out the project. However, all purchases by the contractor are subject to the approval of the technical authority. The equipment purchased by the contractor under this contract shall remain the property of DRDC Valcartier and shall be delivered to DRDC Valcartier at the end of this contract. Given the state-of-the-art work to be completed under this contract, the technical authority can require that the materiel purchased meet certain specifications.

7. GOVERNMENT-FURNISHED EQUIPMENT (GFE)

None

8. SPECIAL CONSIDERATIONS

No special considerations

9. WORK SITE

The contractor will work with software for which DRDC Valcartier has site licences (RotorLib, 3D models, etc.). Also, the project encourages continued integration into a database used by several projects. The contractor shall be required to work in DRDC Valcartier laboratories to collect data to be used to create models. For this reason, classified and unclassified work must be done at the DRDC Valcartier site.

DELIVERABLES

In addition to the disclosure obligation under Section 28 of the general conditions 2040, any Foreground Information must be fully disclosed and documented by the Contractor in the technical reports delivered by the Contractor to the Technical Authority under this Contract.

Solicitation No. - N° de l'invitation

W7701-135622/A

Amd. No. - N° de la modif.

File No. - N° du dossier

QCL-3-36097

Buyer ID - Id de l'acheteur

qcl018

Client Ref. No. - N° de réf. du client

W7701-135622

CCC No./N° CCC - FMS No/ N° VME

ANNEX B**BASIS OF PAYMENT****1. LABOUR :**

The Contractor agrees to provide the following resources as and when requested by Canada at the following firm all inclusive rates (in accordance with the Payment provisions of the Contract) :

Proposed Resources	Firm Hourly Rate			
	Fiscal Year (FY) 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Category Modelling - Physicist or physical/mechanical/electrical engineer with 36 months or more of experience in the field 1. _____ 2. _____ 3. _____	\$ _____ \$ _____ \$ _____	\$ _____ \$ _____ \$ _____	\$ _____ \$ _____ \$ _____	\$ _____ \$ _____ \$ _____
Category Modelling - Physicist or physical/mechanical/electrical engineer with less than 36 months of experience in the field 1. _____ 2. _____ 3. _____	\$ _____ \$ _____ \$ _____	\$ _____ \$ _____ \$ _____	\$ _____ \$ _____ \$ _____	\$ _____ \$ _____ \$ _____
Category Computer Science - Computer specialist or computer/software engineer with 36 months or more of experience in the field 1. _____ 2. _____ 3. _____	\$ _____ \$ _____ \$ _____	\$ _____ \$ _____ \$ _____	\$ _____ \$ _____ \$ _____	\$ _____ \$ _____ \$ _____
Category Computer Science - Computer specialist or computer/software engineer: less than 36 months of experience in the field 1. _____ 2. _____ 3. _____	\$ _____ \$ _____ \$ _____	\$ _____ \$ _____ \$ _____	\$ _____ \$ _____ \$ _____	\$ _____ \$ _____ \$ _____
Project manager 1. _____ 2. _____	\$ _____ \$ _____	\$ _____ \$ _____	\$ _____ \$ _____	\$ _____ \$ _____

2. EQUIPMENT: at laid down cost without markup

3. **RENTALS:** at actual cost without markup
4. **MATERIALS AND SUPPLIES:** at laid down cost without markup
5. **TRAVEL AND LIVING EXPENSES:** in accordance with Section 7.1(iv) of the Contract.
6. **SUBCONTRACTS (EXCEPT RESOURCES PROPOSED IN SECTION 1 - LABOUR) :** at actual cost without markup
7. **OTHER DIRECT CHARGES:** at actual cost without markup

Estimated Cost to a Limitation of Expenditure : \$860,000.00
(Applicable Taxes extra)

ANNEX C

CONTRACTOR DISCLOSURE OF FOREGROUND INFORMATION

Please refer to **Article 1 - Interpretation of 2040 General Conditions** for the definition of Foreground Information to determine what information must be disclosed.

The Contractor must provide the following information::

1. Contract No.:
2. What is the descriptive title of the FIP (Foreground Intellectual Property)?
3. Abbreviated description of the FIP and, if applicable, of the different systems and sub-systems.
4. What is or was the objective of the project?
5. Explain how the FIP meets the objective of the project (for example: the advantage of the new solution, what problem did the FIP resolve or what benefits did the FIP deliver).
6. Under which category (ies) would you best describe the FIP and why: Patents, Inventions, Trade Secrets, Copyright, Industrial Designs, Rights in Integrated Circuit Topography, Know-how, Other?
7. Describe the features or aspects of the FIP that are novel, useful and not obvious.
8. Has the FIP been tested or demonstrated? If yes, please summarise the results.
9. Has any publication or disclosure to others been made? If so, to whom, when, where and how?
10. Provide names and addresses of the inventors.
11. Provide an explicit and detailed description of the FIP developed during the contract (Refer to pertinent section of the technical report, if necessary).

Please specify name and position of person approving / authorizing this disclosure. This person is to sign and date the disclosure.

Signature

Date

Name

Title

(Internal DRDC Valcartier)

Signature

Date

Name

Title (Technical authority)

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 W7701-135622/001/QCL between Her Majesty the Queen in right of Canada, represented by the Minister of Public Works and Government Services and _____, 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 W7701-135622/001/QCL.

Signature

Date

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ANNEX E

SECURITY REQUIREMENTS CHECK LIST

The Security Requirements Check List (SRCL), which is enclosed, is to be inserted at this point and forms part of this document.

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ANNEX F

DND 626 TASK AUTHORIZATION FORM

The DND 626, *Task Authorization Form*, which is enclosed, is to be inserted at this point and forms part of this document.

ATTACHMENT 1

EVALUATION OF PRICE

For evaluation purposes only, the price of the bid will be determined as follows :

1 - Financial Bid

Bidders must submit their financial bid in accordance with **Annex B, Basis of Payment**.

2 - Calculation of bid price

The bid price will be calculated as follows :

Bid price = Cost of labour

The Total Bid Price will be calculated as set out in section 3 below

The Bid Price will be evaluated on the basis of the following estimated level of effort :

Category Modelling - Physicist or physical/mechanical/electrical engineer with 36 months or more of experience in the field (Phy/Eng. Int.)	40%
Category Modelling - Physicist or physical/mechanical/electrical engineer with less than 36 months of experience in the field (Phy/Eng. Jr.)	10%
Category Computer Science - Computer specialist or computer/software engineer with 36 months or more of experience in the field (Computer Int.)	30%
Category Computer Science - Computer specialist or computer/software engineer: less than 36 months of experience in the field (Computer Jr.)	10%
Project manager (PM)	10%

3 - Cost of labour :

To establish labour costs, the effort available in terms of hours (see last column in Table 4.1, below) must be determined. The effort available for each resource category will be calculated as follows:

$$\text{Effort available} = \frac{[\text{Total anticipated available funding}] \times [\text{Approximate percentage use}]}{[\text{Average hourly rate for the resource category}]}$$

The cost of labour for a given category (for a given bid) is then obtained by multiplying the effort available by the average hourly rate provided for the given category (for a given bid).

Lastly, the cost of labour is calculated by adding the labour costs per category for a given bid.

For example:

- Anticipated funding for the work = \$860,000
- Percentage of use for "PM" = 10%
- If the average hourly rate for bid A = \$100, that for bid B = \$75 and that for bid C = \$90, then the average hourly rate for the resource category = \$88.33.

Therefore,

- Effort available $\$860,000 \times 0.10 / \$88.33 = 973.6$ hours

and

- Labour costs for PM, bid a
=973.6 hours x \$100 = \$97,358.49.
- Labour costs for PM, bid b
=973.6 hours x \$75 = \$73,018.87.
- Labour costs for PM, bid c
=973.6 hours x \$90 = \$87,622.64.

4 - Sample calculations for the price of the three bids

Table 4.1 - Sample calculations for the three bids

Resource category	% of use	Rate A	Price for A	Rate B	Price for B	Rate C	Price for C	Qty
Phy/Eng. Int.	40%	\$90.00	\$364,235.29	\$75.00	\$303,529.41	\$90.00	\$364,235.29	4047.1
Phy/Eng. Jr.	10%	\$60.00	\$72,000.00	\$75.00	\$90,000.00	\$80.00	\$96,000.00	1200
Computer Int.	30%	\$90.00	\$296,425.53	\$75.00	\$247,021.28	\$70.00	\$230,553.19	3293.6
Computer Jr.	10%	\$60.00	\$79,384.62	\$75.00	\$99,230.77	\$60.00	\$79,384.62	1323.1
PM	10%	\$100.00	\$97,358.49	\$75.00	\$73,018.87	\$90.00	\$87,622.64	973.6
TOTAL :			\$909,403.93		\$812,800.33		\$857,795.74	

The "percentages of use" listed in the table are provided solely for the purpose of determining the estimated price for each bid. They represent approximate needs, provided in good faith, and should not be considered as a contractual guarantee.

These rates are provided as an example only and must not be interpreted as an indicator of the experience of the labour categories.

ATTACHMENT 2**MANDATORY AND POINT RATED TECHNICAL CRITERIA****1. Mandatory Technical Criteria**

At bid closing time, the Bidder must comply with the following mandatory technical criteria and provide the necessary documentation to support compliance. Any bid which fails to meet the following mandatory technical criteria will be declared non-responsive. Each criterion should be addressed separately.

Note : Listing experience without providing any supporting data to describe where and how such experience was obtained will result in the experience not being included for evaluation

- i. **At least one project manager with a minimum of 24 months of experience in R&D project management is assigned to the project. The project manager can also work on technical tasks in the contract.**
- ii. **The bidder must propose the minimum number of resources indicated below for each of the following two categories (the same person may not be proposed for more than one resource category):**
 1. **Category: Modelling (minimum 3 resources)**
 2. **Category: Computer Science (minimum 2 resources)**
- iii. **All resources proposed for the Computer Science category must have a bachelor's, master's or doctoral degree in Computer Science or Computer Engineering or Software Engineering.**
- iv. **All resources proposed for the Modelling category must have a bachelor's, master's or doctoral degree in Physics, Engineering Physics, Electrical Engineering or Mechanical Engineering.**

2. Point Rated Technical Criteria

The proposals received that meet the mandatory criteria will be evaluated and scored using the criteria below. The minimum score required for each of the main criteria is also given.

Section 1 criteria will be scored as follows:

Each item evaluated of the section 1 criteria will be scored out of 10 points, according to **Table 1: Qualitative Criteria Evaluation Grid** attached at the end of Section 1, and then weighted as a function of the maximum scores indicated in the table below.

Section 2 and 34 criteria will be scored according to the description accompanying each of the criteria listed in the table below. Submissions must obtain the minimum number of points required as indicated in the table below.

DESCRIPTION	MINIMUM SCORE	MAXIMUM SCORE	EVALUATION FACTORS
1 - MANAGEMENT AND TECHNICAL PROPOSAL	30	50	
1.1 - Demonstrated understanding of context, scope and objectives		10	Demonstrated understanding of the context, scope and objectives should be complete and not limited to the description in each activity. The bidder should use its own words to provide a convincing demonstration of its understanding of the context, scope and objectives of each activity.
1.2 - Identification of risks		10	The bidder should clearly describe all project components that could pose a risk and provide a plan for risk mitigation that would allow for the project objectives to be reached in terms of cost and schedule. The components described should be suitable and the mitigation plan realistic.
1.3 - Strategy and methodology proposed		10	The bidder should clearly present its proposed technical approach and methodology for each activity. The technical approach and methodology should be coherent, relevant for carrying out the project, complete and realistic.
1.4 - Clarity and accuracy of information provided		10	The bidder will be evaluated on the clarity and accuracy of the content of its proposal. The proposal should be well structured and easy to understand. Also, the content of the proposal should not contain any inaccurate elements.

DESCRIPTION	MINIMUM SCORE	MAXIMUM SCORE	EVALUATION FACTORS
1.5 - Resource control system		10	The bidder should propose an appropriate resource control system. The bidder should describe how it plans to control the management of the project with regards to the evaluation of priorities, work overload, availability of resources and the quality of services offered within the task authorization process.

Table 1: Qualitative Criteria Evaluation Grid

Non-responsive	Extremely weak	Very weak	Weak	Acceptable	Average	Above average	Exceptional
0 points	1-2 points	3-4 points	5 points	6 points	7-8 points	9 points	10 points
Did not submit information which could be evaluated	Does not meet requirements	Generally does not meet requirements	Lack of details	Just meets requirements	Meets requirements	Exceeds requirements	Far exceeds requirements
	Weaknesses cannot be corrected	Generally doubtful that weaknesses can be corrected	Weaknesses can be corrected	Weaknesses can be easily corrected	No significant weaknesses	No apparent weaknesses	No weaknesses
	Unacceptable	Extremely weak; insufficient to meet performance requirements	Little capability to meet performance requirements	Minimum acceptability; should meet minimum performance requirements	Average acceptability; should be adequate for effective results	Superior capability; should ensure effective results	Exceptional capability; should ensure extremely effective results

TRAINING AND EXPERIENCE

- For each category of resources (Modelling and Computer Science) the bidder should identify the resources proposed.
- The bidder shall provide the names and curriculum vitae of the resources proposed.
- The same person may not be proposed for more than one resource category. Each person shall be evaluated separately and the total score for the resource category will be the average.
- The minimum score indicated should be achieved by the team average and not by each of the resources proposed.
- For each staff category, the bidder should indicate the experience of the resource in terms of months. Experience acquired during practicums and the resource's studies cannot be counted.

DESCRIPTION	MINIMUM SCORE	MAXIMUM SCORE	EVALUATION FACTORS
2 – TRAINING AND EXPERIENCE	33	60	
2.1 – Experience of each resource proposed	11	20	
2.1.1 - Modelling category	5	10	<p>10 points: 60 months or more of experience in modelling</p> <p>6 points: 24 months or more of experience in modelling, but less than 60 months</p> <p>3 points: 12 months or more of experience in modelling, but less than 24 months</p> <p>0 points: Less than 12 months of experience in modelling.</p>
2.1.2 – Computer science category	6	10	<p>10 points: 60 months or more of experience with the C++ programming language</p> <p>6 points: 36 months of experience with the C++ programming language, but less than 60 months</p> <p>3 points: 12 months of experience with the C++ programming language, but less than 36 months</p> <p>0 points: Less than 12 months of experience with the C++ programming language.</p>

DESCRIPTION	MINIMUM SCORE	MAXIMUM SCORE	EVALUATION FACTORS
2.2 - Expertise of each resource proposed	22	40	
2.2.1 – Modelling category	12	20	<ul style="list-style-type: none"> • 24 months of experience with Matlab (3 pts) • 24 months of experience with Simulink (4 pts) • 6 months of experience with Mathworks RTW© (2 pts) • 12 months of experience with verification and validation processes (2 pts) • 12 months of experience with the creation of numerical models (3 pts) • 12 months of experience with physical phenomena surrounding electro-optics (2 pts) • 12 months of experience with physical phenomena surrounding guidance, navigation and control (2 pts) • 12 months of experience with physical phenomena surrounding flight mechanics (2 pts)
2.2.2 – Computer science category	10	20	<ul style="list-style-type: none"> • 24 months of experience with UML (4 pts) • 12 months of experience with the C++ QT library (2 pts) • 12 months of experience with OpenGL programming (1 pt) • 12 months of experience with XML (2 pts) • 6 months of experience with Matlab (1 pt) • 6 months of experience with Simulink (2 pts) • 6 months of experience with Mathworks RTW© (1 pt) • 12 months of experience with verification and validation processes (3 pts) • 12 months of experience with the creation of numerical models (2 pts) • 6 months of experience with physical phenomena surrounding electro-optics (2 pts)

DESCRIPTION	MINIMUM SCORE	MAXIMUM SCORE	EVALUATION FACTORS
3 – BIDDER'S EXPERIENCE	13	20	
3.1 - Bidder's (company's) experience in carrying out R&D projects		5	<p>5 points: The bidder (company) has completed at least 5 R&D projects</p> <p>3 points: The bidder (company) has completed 3 or 4 R&D projects</p> <p>0 points: The bidder (company) has completed fewer than 3 R&D projects</p>
3.2 - Bidder's (company's) experience in carrying out Modelling and Simulation (M&S) projects (projects of more than \$100K)		5	<p>5 points: The bidder (company) has completed at least 5 M&S projects</p> <p>3 points: The bidder (company) has completed 3 or 4 M&S projects</p> <p>0 points: The bidder (company) has completed fewer than 3 M&S projects</p>
3.3 - Bidder's (company's) experience in carrying out software engineering projects (projects of more than \$100K)		5	<p>5 points: The bidder (company) has completed at least 5 software engineering projects</p> <p>3 points: The bidder (company) has completed 3 or 4 software engineering projects</p> <p>0 points: The bidder (company) has completed fewer than 3 software engineering projects</p>
3.4 - Bidder's (company's) experience in carrying out military systems-related projects (platforms, sensors, defence or attack equipment) (projects of more than \$100K)		5	<p>5 points: The bidder (company) has completed at least 5 military systems-related projects</p> <p>3 points: The bidder (company) has completed 3 or 4 military systems-related projects</p> <p>0 points: The bidder (company) has completed fewer than 3 military systems-related projects</p>



Government
of Canada

Gouvernement
du Canada

Contract Number / Numéro du contrat

W7701-135622

Security Classification / Classification de sécurité

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
DND		DRDC
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 Support en modélisation et simulation		
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 type="checkbox"/> No / Non <input checked="" 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 checked="" type="checkbox"/> Foreign / Étranger <input checked="" type="checkbox"/>		
7. b) Release restrictions / Restrictions relatives à la diffusion		
No release restrictions Aucune restriction relative à la diffusion	<input checked="" type="checkbox"/>	All NATO countries Tous les pays de l'OTAN
Not releasable À ne pas diffuser	<input checked="" type="checkbox"/>	
Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays: AUS, CAN, UK, US	<input checked="" type="checkbox"/>	Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays: Embedded contractor #/access to CG
7. c) Level of information / Niveau d'information		
PROTECTED A PROTÉGÉ A	<input checked="" type="checkbox"/>	NATO UNCLASSIFIED NATO NON CLASSIFIÉ
PROTECTED B PROTÉGÉ B	<input checked="" type="checkbox"/>	NATO RESTRICTED NATO DIFFUSION RESTREINTE
PROTECTED C PROTÉGÉ C	<input type="checkbox"/>	NATO CONFIDENTIAL NATO CONFIDENTIEL
CONFIDENTIAL CONFIDENTIEL	<input checked="" type="checkbox"/>	NATO SECRET NATO SECRET
SECRET SECRET	<input checked="" type="checkbox"/>	COSMIC TOP SECRET COSMIC TRÈS SECRET
TOP SECRET TRÈS SECRET	<input type="checkbox"/>	
TOP SECRET (SIGINT) TRÈS SECRET (SIGINT)	<input type="checkbox"/>	
		PROTECTED A PROTÉGÉ A
		PROTECTED B PROTÉGÉ B
		PROTECTED C PROTÉGÉ C
		CONFIDENTIAL CONFIDENTIEL
		SECRET SECRET
		TOP SECRET TRÈS SECRET
		TOP SECRET (SIGINT) TRÈS SECRET (SIGINT)

TBS/SCT 350-103(2004/12)

Security Classification / Classification de sécurité

Canada



PART A (continued) / PARTIE A (suite)

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS? ☒ No ☐ Yes
Non Oui

If Yes, indicate the level of sensitivity:

Dans l'affirmative, indiquer le niveau de sensibilité :

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

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

Document Number / Numéro du document :

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

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

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

Special comments:

Commentaires spéciaux :

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

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

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

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

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

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

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

PRODUCTION

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

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

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

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



Government
of Canada

Gouvernement
du Canada

Contract Number / Numéro du contrat
W7701-135622

Security Classification / Classification de sécurité

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

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

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

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

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

SUMMARY CHART / TABLEAU RÉCAPITULATIF

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

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

☒ No
Non

☐ Yes
Oui

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

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

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

☒ No
Non

☐ Yes
Oui

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

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

Security Requirement Checklist (SRCL) Supplemental Security Guide

Part A - Multiple Release Restrictions: Security Guide							
To be completed in addition to SRCL question 7.b) when release restrictions are therein identified. Indicate to which levels of information release restrictions apply. Make note in the chart if a level of information bears multiple restrictions (e.g. a portion of the SECRET information bears the caveat Canadian Eyes Only while the remainder of the SECRET information has no release restrictions.)							
Canadian Information							
Citizenship Restriction	PROTECTED			CLASSIFIED			
	A	B	C	CONFIDENTIAL	SECRET	TOP SECRET	TOP SECRET (SIGINT)
No Release Restrictions	X	X					
Not Releasable				X	X		
Restricted to: AUS/CAN/UK/US				X	X		
Permanent Residents Included*							
NATO Information							
Citizenship Restriction	NATO UNCLASSIFIED		NATO RESTRICTED	NATO CONFIDENTIAL	NATO SECRET	COSMIC TOP SECRET	
All NATO Countries	X			X	X		
Restricted to:							
Permanent Residents Included*							
Foreign Information							
Citizenship Restriction	PROTECTED			CLASSIFIED			
	A	B	C	CONFIDENTIAL	SECRET	TOP SECRET	TOP SECRET (SIGINT)
No Release Restrictions							
Restricted to : AUS/CAN/UK/US				X	X		
Permanent Residents Included*							
COMSEC Information							
Citizenship Restriction	PROTECTED			CLASSIFIED			
	A	B	C	CONFIDENTIAL	SECRET	TOP SECRET	TOP SECRET (SIGINT)
Not Releasable							
Restricted to:							
DND ONLY Embedded Contractor (Access to Controlled Goods)							
Restriction	Yes						
SECRET clearance with CEO applies	Yes						

*When release restrictions are indicated, specify if permanent residents are allowed to be included.

Security Requirement Checklist (SRCL) Supplemental Security Guide

Part B - Multiple Levels of Personnel Screening: Security Classification Guide To be completed in addition to SRCL question 10.a) when multiple levels of personnel screening are therein identified. Indicate which personnel screening levels are required for which portions of the work/access involved in the contract.			
Level of Personnel Clearance (e.g. Reliability, Secret)	Position / Description/Task	Access to sites and/or information. Levels of Information to be accessed.	Citizenship Restriction (if any)
	PHYSICIST OR PHYSICS, MECHANICAL OR ELECTRICAL ENGINEER	SECRET/NATO SECRET	CANADIAN CITIZEN
	COMPUTER SPECIALIST OR COMPUTER OR SOFTWARE ENGINEER	SECRET/NATO SECRET	CANADIAN CITIZEN
	PROJECT MANAGER	SECRET/NATO SECRET	

Part C – Safeguards / Information Technology (IT) Media – 11d = yes
IT security requirements must be specified in a separate technical document and submitted with the SRCL

OTHER SECURITY INSTRUCTIONS

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Design: Forms Management 993-4050
Conception : Gestion des formulaires 993-4062

Instructions for completing DND 626 - Task Authorization

Contract no.

Enter the PWGSC contract number in full.

Task no.

Enter the sequential Task number.

Amendment no.

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

Increase/Decrease

Enter the increase or decrease total dollar amount including taxes.

Previous value

Enter the previous total dollar amount including taxes.

To

Name of the contractor.

Delivery location

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

Delivery/Completion date

Completion date for the task.

for the Department of National Defence

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

Services

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

Cost

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

GST/HST

The GST/HST cost as appropriate.

Total

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

Applicable only to PWGSC contracts

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

Note:

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

Instructions pour compléter le formulaire DND 626 - Autorisation des tâches

N° du contrat

Inscrivez le numéro du contrat de TPSGC en entier.

N° de la tâche

Inscrivez le numéro de tâche séquentiel.

N° de la modification

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

Augmentation/Réduction

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

Valeur précédente

Inscrivez le montant total précédent, y compris les taxes.

À

Nom de l'entrepreneur.

Expédiez à

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

Date de livraison/d'achèvement

Date d'achèvement de la tâche.

pour le ministère de la Défense nationale

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

Services

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

Prix

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

TPS/TVH

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

Total

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

Ne s'applique qu'aux contrats de TPSGC

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

Nota :

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