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## WARNING

In accordance with National Defence Security Orders and Directives (NDSOD), form **DND 4596-E - Innovation for Defence Excellence and Security (IDEaS) - Electronic Proposal Submission Form - Competitive Projects - Call for Proposals (CFP) - Component 1a - Call 003** is designated "Protected B" information once completed.

**For DND: Completed "Protected B" forms MUST NOT BE SAVED UNENCRYPTED** on any network and workstation drive or storage media. "Protected B" forms, when completed, **MUST BE ENCRYPTED USING THE DND ISSUED PKI SMARTCARD**. Failure to respect this requirement will result in a breach of security and administrative measures shall be applied in accordance with the policy.

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Password (for DND use only)

Enter

## Innovation for Defence Excellence and Security (IDEaS) Electronic Proposal Submission Form Competitive Projects - Call for Proposals (CFP) Component 1a - Call 003

### IMPORTANT

This Electronic Proposal Submission Form is specifically for Bidders proposing solutions for the Innovation for Defence Excellence and Security (IDEaS) Program – Competitive Projects, Component 1a Call for Proposals (CFP) Call 003 (W7714-196962).

Proposals must only address one Challenge per submission. Prior to submitting a proposal, Bidders should read the main CFP Call 003 (W7714-196962) (<https://buyandsell.gc.ca/procurement-data/tender-notice/PW-19-00880701>) on [buyandsell.gc.ca](https://buyandsell.gc.ca) and its associated attachments, as well as the Challenge tender notices that will pertain to their proposals.

Bidders should demonstrate their understanding of the requirements contained in the CFP and Challenge tender notices, 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 proposal should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the proposal will be evaluated.

To maintain the integrity of the evaluation, evaluators will consider only information presented in the proposal. No information will be inferred and personal knowledge or beliefs will not be utilized in the evaluation. Evaluators will take the entire proposal into consideration for each criterion. If information is found elsewhere in the proposal that corresponds to a criterion, evaluators will consider this.

Classified proposals will not be accepted for this CFP.

Once a proposal is submitted, it is considered the final version for consideration.

### CONFIDENTIALITY

The Bidder understands that the information provided may be accessible under the Access to Information Act (ATIA). No commercially confidential information which you submit will be disclosed unless otherwise authorized by you; required to be released by law (including ATIA); or required by the Minister of Public Works and Government Services or the Minister of National Defence, to be released to an international or internal trade panel for the purposes of the conduct of a dispute in which Canada is a party or a third-party intervener.

Information on the federal government's ATIA is available on the following website: <http://www.laws-lois.justice.gc.ca/eng/acts/A-1/>

Any information that you wish to be considered as confidential should be annotated accordingly.

**Note:** Once a proposal is submitted, it is considered the final version for consideration. Input fields in the Electronic Proposal Submission Form marked with an asterisk (\*) contain a maximum character limit. A character includes a space, punctuation, letter, number, or symbol; additionally, blank line spaces between paragraphs count toward character count and should not be used.

**Disclaimer:** For this Call for Proposals, should there be a discrepancy between the content in the Electronic Proposal Submission Form and the CFP Solicitation Document on [buyandsell.gc.ca](https://buyandsell.gc.ca), legal precedent is given to information on [buyandsell.gc.ca](https://buyandsell.gc.ca).

### Bidder Information

This CFP is open to individuals, academia and industry. The Bidder will assume the responsibility of submitting the proposal and serving as the point of contact for the duration of the CFP. Federal Public Service employees are subject to the Values and Ethics Code for the Public Sector (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=25049&section=html>) and Department of National Defence employees and members of the Canadian Armed Forces are subject to the DND and CF Code of Values and Ethics (<https://www.canada.ca/en/department-national-defence/services/benefits-military/defence-ethics.html>). All Bidders are subject to the provision of 2003 (2019-03-04) section 18 (2012-03-02) Conflict of interest - unfair advantage (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/1/2003/24#conflict-of-interest>).

1.1 - Legal company / institution / entity name

1.2 - Company information

Address (street, unit number, etc.)

Telephone (xxx-xxx-xxxx)

City

Prov. / Terr.

Country

Postal code

Company website

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**Annex A - Statement of Work and Cost Proposal**

The Bidder's responses in the Electronic Proposal Submission Form will form Annex A - Statement of Work and Cost Proposal.

The Statement of Work describes a proposed solution aimed at establishing the knowledge and technological advantage needed to address Canada's defence and security interests for the S&T Challenge listed below.

**Note:** The following acronyms are used throughout the form and are defined as:  
**SC** = Screening Criteria; **MC** = Mandatory Criteria; **PRC** = Point-Rated Criteria

**Proposal Title** (maximum 120 characters\*)

**SC-1: Distinct Solution**

A Bidder can propose a solution to the IDEaS program more than once as long as the proposed solution is sufficiently different.

Has this solution been submitted to the IDEaS program before? .....  Yes  No

If yes, how is this solution sufficiently different than the previously submitted solution(s) (maximum 4000 characters\*)?  
For more details, please see: main CFP Call 003 (W7714-196962), Part 4, Attachment 1 - Evaluation Criteria (<https://buyandsell.gc.ca/procurement-data/tender-notice/PW-19-00880701>)

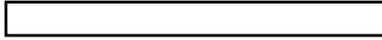


**MC-1: Science & Technology (S&T) Challenge of Proposed Solution**

Indicate the S&T challenge which applies to the proposed solution.

- Shields up! Defend and protect satellites from natural and artificial threats
- Breaking the ice - ground solutions for removing frozen contaminants from aircraft
- Power Up! Portable power for soldiers on the move
- Now you see me, now you don't - reducing visual and infrared detection of soldiers and their vehicles
- Collision Course - tracking and de-orbiting space debris

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### MC-2: Alignment of Proposed Solution to S&T Challenge

Describe the proposed solution and how it addresses and aligns to the identified S&T Challenge. Describe the scientific and technological basis upon which the solution is proposed, and clearly identify how the solution meets the Essential Outcomes and/or the Desired Outcomes in the Challenge, if applicable (maximum 4000 characters\*).  
For more details, please see: main CFP Call 003 (W7714-196962), Part 4, Attachment 1 - Evaluation Criteria (<https://buyandsell.gc.ca/procurement-data/tender-notice/PW-19-00880701>)

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### MC-3: Current Solution Readiness Level (SRL) of Proposed Solution

Select the current SRL of the proposed solution. The current SRL of the proposed solution must be within 1 and 6 (inclusive).

- SRL 1: Identification** - basic principles and/or properties are observed.
- SRL 2: Definition** - practical applications and/or concepts are formulated.
- SRL 3: Observation and analysis** - analytical and/or laboratory research and/or experiments are undertaken.
- SRL 4: Proof of concept** - basic integration of applications and/or concepts to demonstrate viability.
- SRL 5: Validation** - refined integration of applications and/or concepts to confirm validity.
- SRL 6: Simulated demonstration** - near-end state solution is demonstrated and tested in a simulated environment.

Describe the research and development (R&D) activities that have taken place to bring the proposed solution to the stated SRL (maximum 4000 characters\*).

For more details, please see: main CFP Call 003 (W7714-196962), Part 4, Attachment 1 - Evaluation Criteria (<https://buyandsell.gc.ca/procurement-data/tender-notice/PW-19-00880701>)



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### Synopsis of Proposed Solution

Provide a synopsis of the proposed solution, specifically how it meets the point-rated criteria (*PRC-1 to PRC-5*): Scientific and/or Technical Merit, Novel and Innovative, Impact, Feasibility and Approach, and Gender Based Analysis Plus (*maximum 4000 characters*).

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**PRC-1: Scientific and/or Technical (S/T) Merit of Proposed Solution**

Describe how the proposed solution meets PRC-1 (maximum 4000 characters\*).

For more details, please see: main CFP Call 003 (W7714-196962), Part 4, Attachment 1 - Evaluation Criteria (<https://buyandsell.gc.ca/procurement-data/tender-notice/PW-19-00880701>).

Empty text area for the proposed solution description.

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**PRC-2: Novel and Innovative Solution**

Describe how the proposed solution meets PRC-2 (*maximum 4000 characters\**).

For more details, please see: main CFP Call 003 (W7714-196962), Part 4, Attachment 1 - Evaluation Criteria (<https://buyandsell.gc.ca/procurement-data/tender-notice/PW-19-00880701>).

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**PRC-3: Impact of Proposed Solution**

Describe how the proposed solution meets PRC-3 (maximum 4000 characters\*).

For more details, please see: main CFP Call 003 (W7714-196962), Part 4, Attachment 1 - Evaluation Criteria (<https://buyandsell.gc.ca/procurement-data/tender-notice/PW-19-00880701>).

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**PRC-4: Feasibility and Approach of Proposed Solution**

Describe how the proposed solution meets PRC-4 (*maximum 4000 characters\**).

For more details, please see: main CFP Call 003 (W7714-196962), Part 4, Attachment 1 - Evaluation Criteria (<https://buyandsell.gc.ca/procurement-data/tender-notice/PW-19-00880701>).

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**PRC-5: Gender Based Analysis Plus (GBA+) of Proposed Solution**

Select the statement that best reflects how GBA+ and its factors have been considered and incorporated within the proposed solution.

- a. No GBA+ analysis was undertaken and there is no plan to do so.
- b. No GBA+ analysis was undertaken; however, there is a plan to undertake such analysis in the continued development of the solution.
- c. GBA+ analysis was undertaken and no GBA+ considerations were relevant at this time.
- d. GBA+ considerations have been identified and incorporated into the proposed solution.

Substantiate how the proposed solution meets PRC-5 (*maximum 4000 characters*).

Substantiation can include specifics on what GBA+ analysis has been conducted and the associated results to demonstrate GBA+ considerations, or what analysis is planned to demonstrate future GBA+ considerations.

For more details, please see: main CFP Call 003 (W7714-196962), Part 4, Attachment 1 - Evaluation Criteria (<https://buyandsell.gc.ca/procurement-data/tender-notice/PW-19-00880701>).



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### Solution Progression to Component 1b (optional)

The Bidder is requested to briefly describe the S&T work to be performed under Component 1b, and what the solution / idea may be at the completion of 1b, including the end-state SRL and its capabilities and benefits for Canada (maximum 4000 characters\*). If the Bidder is not proposing to progress to Component 1b, insert "N/A".

Large empty text area for bidder response, overlaid with a large diagonal 'SAMPLE' watermark.

### Work Plan and Deliverables

Once completed, this section will be used to evaluate PRC-4. For more details, please see: main CFP Call 003 (W7714-196962), Part 4, Attachment 1 - Evaluation Criteria (<https://buyandsell.gc.ca/procurement-data/tender-notice/PW-19-00880701>).

Each row of the Milestone tables below contains specific activities and deliverables (Work). Work must be distributed into two milestone stages.

Work for Milestone 1 must render the solution to a point of progress sufficient to enable the Technical Authority to assess the potential of the Solution Description through completion of Milestone 2. Bidders should specify, in the tables below, the work activities to be performed, being sure to describe the work activities to a degree that exposes all risk factors, and that allows accurate estimation of the requirements and the schedule duration for each task activity. The maximum performance period of work for the contract is up to 6 months (each data cell is formatted with a maximum character count to permit a comprehensive response).

### Milestone tables

The individual maximum contract funding available under Component 1a is up to \$200,000 CAD (excluding applicable taxes) for a maximum performance period of up to 6 months. The Milestone 1 total must be no greater than 70% of the overall Cost Proposal total (Milestones 1 and 2 combined).

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<b>Milestone 1</b>				
Progress reporting (Milestone 1) to be completed and delivered in accordance with the SOW. All deliverable due dates for Milestone 1 must be completed within 13 weeks of contract start date.				
Please tab right to complete the table.				
<b>Activity</b>	<b>Description of deliverable</b> <i>(articulation of the deliverable or product to be provided to the Technical Authority)</i>	<b>Estimated level of effort</b> <i>(days or weeks) or quantity (units)</i>	<b>Risk(s): Description, probability and impact</b> <i>(both based on a High/Medium/Low assessment)</i>	<b>Risk mitigation strategy(ies)</b>

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<b>Milestone 1 (cont'd)</b>				
Progress reporting (Milestone 1) to be completed and delivered in accordance with the SOW. All deliverable due dates for Milestone 1 must be completed within 13 weeks of contract start date.				
Please tab right to complete the table.				
<b>Activity</b>	<b>Description of deliverable</b> <i>(articulation of the deliverable or product to be provided to the Technical Authority)</i>	<b>Estimated level of effort</b> <i>(days or weeks) or quantity (units)</i>	<b>Risk(s): Description, probability and impact</b> <i>(both based on a High/Medium/Low assessment)</i>	<b>Risk mitigation strategy(ies)</b>

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<b>Milestone 2</b>				
Progress reporting (Milestone 2) to be completed and delivered in accordance with the SOW. All deliverable due dates for Milestone 2 must be completed within 26 weeks of contract start date.				
Please tab right to complete the table.				
<b>Activity</b>	<b>Description of deliverable</b> <i>(articulation of the deliverable or product to be provided to the Technical Authority)</i>	<b>Estimated level of effort</b> <i>(days or weeks) or quantity (units)</i>	<b>Risk(s): Description, probability and impact</b> <i>(both based on a High/Medium/Low assessment)</i>	<b>Risk mitigation strategy(ies)</b>

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<b>Milestone 2 (cont'd)</b>				
Progress reporting (Milestone 2) to be completed and delivered in accordance with the SOW. All deliverable due dates for Milestone 2 must be completed within 26 weeks of contract start date.				
Please tab right to complete the table.				
<b>Activity</b>	<b>Description of deliverable</b> <i>(articulation of the deliverable or product to be provided to the Technical Authority)</i>	<b>Estimated level of effort</b> <i>(days or weeks) or quantity (units)</i>	<b>Risk(s): Description, probability and impact</b> <i>(both based on a High/Medium/Low assessment)</i>	<b>Risk mitigation strategy(ies)</b>



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### Location of Work

The Contractor will perform the work, including travel and living, in the following location(s):

City	Province / Territory	Country

### Language of Work

The Contract will require work to be performed in either or both of the Official Languages of Canada. The Bidder is to indicate its capacity for either or both Official Languages

English   
  French   
  English and French

### Glossary

If acronyms and/or uncommon terms are utilized, Bidder is to add and define here.

**Note:** If none, Canada will leave this article blank or delete it.

The following terms are used in this SOW and have the following definitions:

Acronyms and/or uncommon terms <i>(e.g. IDEaS)</i>	Definitions <i>(e.g. Innovation for Defence Excellence and Security)</i>

### Reference Documents

If the work details include references to documents critical for understanding the basis of the work, the Bidder is to fully describe these documents here. The minimal information required: title; author (*person or organization*); publication date; and relevance to the work.

**Note:** If none, Canada will leave this article blank or delete it.

Title	Author	Publication date <i>(yyyy-mm-dd)</i>	Relevance to the work

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**Cost Proposal**

Once completed, this section will be used to evaluate SC-2 and PRC-6. For more details, please see: main CFP Call 003 (W7714-196962), Part 4, Attachment 1 – Evaluation Criteria (<https://buyandsell.gc.ca/procurement-data/tender-notice/PW-19-00880701>).

In the tables below, specify the costs proposed for Milestone 1 and Milestone 2. The proposed solution's Cost Proposal must not exceed the individual contract maximum of \$200,000 (excluding applicable taxes). The Milestone 1 total must be no greater than 70% of the overall Cost Proposal total (Milestones 1 and 2 combined). The Cost Proposal is to align with the work proposed. All costs identified in the proposal must be in Canadian dollars.

**Note:** In conducting its evaluation of the bids, Canada may, but will have no obligation to do the following: correct any error in the extended pricing of bids by using unit pricing and any error in quantities in bids to reflect the quantities stated in the bid solicitation; in the case of error in the extension of prices, the unit price will govern. For additional information, please refer to Standard Instructions - Goods or Services - Competitive Requirements 2003 (2019-03-04) section 16 (2008-05-12) Conduct of Evaluation.

**Milestone 1**

**Milestone 1: Labour**

Category <i>(e.g. software developer)</i>	Labour <i>(number of hours)</i>	Rate <i>(\$/h)</i>	Total <i>(\$)</i>
<b>Milestone 1: Labour Total</b>			

**Milestone 1: Materials**

Description	Quantity	Unit cost <i>(\$)</i>	Total <i>(\$)</i>
<b>Milestone 1: Materials Total</b>			

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**Milestone 2 (cont'd)**

Milestone 2: Materials			
Description	Quantity	Unit cost (\$)	Total (\$)
<b>Milestone 2: Materials Total</b>			

Milestone 2: Travel and Living Expenses				
Purpose	Destination	No. of travellers	No. of days	Total (\$)
<b>Milestone 2: Travel and Living Expenses Total</b>				

Milestone 2: Other Costs	
Description (e.g. subcontractor)	Total (\$)
<b>Milestone 2: Other Costs Total</b>	

<b>Milestone 2: Total Firm Milestone Price (\$)</b> <i>(including labour, materials, travel and living expenses and other costs, excluding applicable taxes)</i>	
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**Total Firm Milestone Prices**

<b>Milestone 1: Total Firm Milestone Price (\$)</b> <i>(including labour, materials, travel and living expenses and other costs, excluding applicable taxes)</i>	
<b>Milestone 2: Total Firm Milestone Price (\$)</b> <i>(including labour, materials, travel and living expenses and other costs, excluding applicable taxes)</i>	
<b>Combined Total for Milestones 1 and 2 (\$)</b> <i>(including labour, materials, travel and living expenses and other costs, excluding applicable taxes)</i>	
<b>Notes:</b> The Cost Proposal must not exceed \$200,000 CAD (excluding applicable taxes). The Milestone 1 total must be no greater than 70% of the overall Cost Proposal total (Milestones 1 and 2 combined).	

**Certifications Required with the Bid**

Bidders must submit the following duly completed certifications as part of their bid. Failure to provide the certifications listed below may render the proposal non-responsive.

**Note:** For more details, please see: main CFP Call 003 (W7714-196962) (<https://buyandsell.gc.ca/procurement-data/tender-notice/PW-19-00880701>).

**Integrity provisions - Declaration of convicted offences**

*If a Declaration of Convicted Offences is applicable, please follow the link below to complete the form.*

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

**Canadian content certification**

This procurement is conditionally limited to Canadian goods and Canadian services. Subject to the evaluation procedures contained in the CFP, Bidders acknowledge that only bids with a certification that the goods and services offered are Canadian goods and Canadian services, as defined in clause A3050T as modified below, may be considered. Failure to provide this certification completed with the bid will result in the goods and services offered being treated as non-Canadian goods and non-Canadian services.

The Bidder certifies that a minimum of 50 percent of the total bid price consists of Canadian goods and Canadian services as defined in paragraph 5 of clause A3050T, as amended herein. For more information on how to determine the Canadian content for a mix of goods, a mix of services or a mix of goods and services, consult Annex 3.6. (9), Example 2, of the Supply Manual: <https://buyandsell.gc.ca/policy-and-guidelines/supply-manual/annex/3/6>.

5.1.3 SACC Manual clause A3050T (2014-11-27), Canadian Content Definition, is amended as follows:

DELETE: 80 percent  
INSERT: 50 percent

I, the Bidder, certify to the above.

**Certification acknowledgment**

I, the Bidder, certify that the information submitted herein, and the information submitted in its bid, is accurate and complete. I, the Bidder, read, understand and acknowledge the instructions and the clauses and conditions contained in all parts of the main CFP Call 003 (W7714-196962) (<https://buyandsell.gc.ca/procurement-data/tender-notice/PW-19-00880701>).

By clicking the button, I certify the above and that I am an authorized signing authority of the Bidder.

Last name	First name	Title	
Email	Telephone (xxx-xxx-xxxx)		Date (yyyy-mm-dd)

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