



**Build in Canada Innovation Program (BCIP)
Request for Information (RFI)**

Date: February 9, 2018

Solicitation No.: EN578-DB1710/A

GETS Reference Number: PW-18-00815699

Closing date: Please refer to the tender notice on www.BuyandSell.gc.ca

Industry Engagement Q&A submission details are included in this Request for Information document herein.

Issuing Office:

Public Services and Procurement Canada
Space, Innovation and Informatics Projects Directorate
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Request for Information (RFI)

Challenge: Chemical Decontamination

Sponsor: Canadian Special Operations Forces Command (CANSOFCOM), Department of National Defence (DND)

1. Introduction

Public Services and Procurement Canada (PSPC), Office of Small and Medium Enterprises and Stakeholder Engagement (OSME-SE), under the Build in Canada Innovation Program (BCIP), has a requirement to procure:

- a) Research and Development (R&D) innovative pre-commercialized goods and services (referred to as Innovations) that are in late stage of development; and
- b) Support services such as installation, training and testing support services for the pre-commercial Innovations procured under the BCIP.

The BCIP is a R&D procurement program aimed at procuring, testing and evaluating R&D pre-commercialized goods and services in the late stage development (Technology Readiness Level 7 to 9).

The BCIP has launched a Challenge Call for Proposals (CFP) under the Military component of the BCIP to help testing departments solve challenges in innovative ways. Under the Challenge CFP, sponsor departments partner with the BCIP to create challenges, evaluate proposals, and act as testing departments. Under this CFP, BCIP will publish challenges for the scientific, technical and innovation communities to submit innovative science and technology proposals to respond to, ultimately providing innovators with the opportunity to provide solutions.

2. Request for Information (RFI)

The respondent(s) to the RFI are defined as a company or joint venture with the ability to fulfil the requirements of the Challenge as identified under Annex A – Challenge Details. The information The information provided by Respondent(s) may be used to refine the details of the requirement.

The Respondent(s) are invited to submit a reply to the RFI that addresses each of the topics identified in Annex B – Industry Engagement Questions. To facilitate the review of the responses, Respondent(s) are asked to address and present the requested information in the order in which the topics are presented.

Canada reserves the right to amend, delete or add, in whole or in part, any terms or provisions of this RFI document. Any revision will be provided in writing.

No payment will be made for costs incurred in the preparation and submission of a response to the RFI.

2.1 Recommendations, Suggestions or Comments

Respondent(s) are invited to provide general feedback and/or any recommendations, inputs or comments (including technical and/or costing information) that could assist Canada in the refinement of any of the documents included in the RFI. However, Canada will have the right to accept or reject any or all recommendations.

3. Additional Content to the RFI

The following documents form part of the RFI document:

BCIP Challenge Call for Proposals which is currently active on BuyandSell.gc.ca

- [BCIP Challenge Call for Proposals Solicitation](#)
 - o [Attachment 1 – Evaluation Grid](#)
 - o [Attachment 2 – Draft Resulting Contract Clauses](#)
 - o [Attachment 3 – Certifications and Additional Information](#)

Annex A – Challenge Details

Annex B – Industry Engagement Questions

This document includes Questions that PSPC would like the Industry to respond in order to improve the Challenge.

4. Requested Information

PSPC is seeking engagement with Industry to assess the technical feasibility of its proposed requirement and the procurement strategy for the Challenge. PSPC is seeking advice from Industry on the proposed requirement and specific questions identified under Annex B – Industry Engagement Questions.

Respondent(s) are invited to consult Annex B – Industry Engagement Questions, in order to provide their response(s) to the requested information. Respondent(s) are requested to provide a maximum of 400 words per answer in their responses.

5. No Obligation

The RFI is not a bid solicitation and does not constitute a commitment, implied or otherwise, that the Government of Canada will take procurement action in this matter. The issuance of the RFI does not create an obligation for Canada to issue a subsequent Challenge, and does not bind Canada legally or otherwise, to enter into any agreement or to accept any suggestions from Respondent(s). Canada reserves the right to accept or reject any or all comments received.

Further, the Government of Canada will not be responsible for any cost incurred by Respondent(s) in furnishing responses.

A review team composed of representatives of PSPC and the Challenge Sponsor Department will review the responses on behalf of Canada. Not all members of the review team will necessarily review all responses.

There will be no short listing of firms for purposes of undertaking any future work, as a result of this RFI. Similarly, participation in the RFI is not a condition or prerequisite for participation in any Challenges.

6. Confidentiality

Respondent(s) are advised that any information submitted to Canada in response to this RFI may be used by Canada in the finalization of a competitive Challenge. However, the Government is not bound to accept any Expression of Interest or to consider it further in any associated documents such as a Challenge.

All industry consultations will be documented and this information is subject to the Access to Information Act. Respondent(s) should identify any submitted information that is to be considered as either company confidential or proprietary. Canada will not reveal any designated confidential or proprietary information to public and/or third parties.

7. Delivery Address and Response Format

Responses to this RFI must be sent via email to SSGP.SCPD@tpsgc-pwgsc.gc.ca

The electronic file formats of the response must be in either the Adobe Portable Document Format (PDF) TM or in a file format that is readable by the 2013 Microsoft Office Suite.

Provision of an electronic copy is required in order to facilitate the distribution of the RFI responses to PSPC.

8. Closing Date

Responses to this RFI should be submitted, on or before the date and time specified on the tender notice.

9. Response Review

Following receipt of responses to this RFI, PSPC and the Challenge Sponsor Department will review responses received for purposes of refining its way forward on this requirement.

Canada reserves the right to request additional information for clarification during the review of the responses to this RFI, and/or to consider a subsequent modification of the response put forward by a Respondent.

10. Enquiries

All enquiries and other communications related to this RFI must be directed exclusively to the PSPC Contracting Authority identified in Section 12, below. Respondent(s) that intend on responding to this RFI are asked to advise the Contracting Authority of their intention to respond, in order that they may be notified of any changes to the notice on Buy and Sell website, which may occur during the posting period.

11. Language

Responses are to be provided in one of the two Official Languages of Canada (English or French).

12. Contracting Authority

All enquiries and other communications related to this RFI must be directed to the Contracting Authority as follows:

Huda Dahir
Supply Team Leader
Public Services and Procurement Canada
Email: SSGP.SCPD@tpsgc-pwgsc.gc.ca

List of Annexes:

Annex A – Challenge Details
Annex B – Industry Engagement Questions

ANNEX A – CHALLENGE DETAILS**Challenge: Chemical Decontamination**

Challenge Sponsor: Canadian Special Operations Forces Command (CANSOFCOM), Department of National Defence (DND)

Background/Summary:

The Canadian Special Operations Forces Command (CANSOFCOM) seeks an a non-aqueous based decontaminate solution/compound that can effectively decontaminate sensitive equipment which has been exposed to chemical warfare agents (CWA), while ideally providing an indication as to the presence of any further or residual contamination.

The proposed solution (the Innovation) must effectively remove CWAs from sensitive equipment, while ideally providing an indication as to the presence of any further or residual contamination.

The threat of CWAs exposure in the contemporary battlespace demands a robust and comprehensive capability to not only protect Canadian Armed Forces (CAF) personnel from exposure, but also sustain deployed forces throughout their mission.

Many types of military hardware (i.e. vehicles, shelters, ships, etc.) are purposely designed to not only protect personnel from CWA exposure, but also withstanding the harsh methods used to remove contamination after an attack (submersion, acids, bases, heat, etc). Unfortunately, there are several classes of critical military systems that are simply too sensitive to be subjected to such treatment (i.e. electronics, weapons, optics, etc.).

CANSOFCOM is searching for the means to reconstitute these sensitive systems in the event they are exposed to CWAs

Challenge Details:

The aim of this challenge is to test the performance of the Innovation.

Note: The following elements of the challenge will be assessed in accordance with the Proposal Submission Form and the Evaluation Grid.

The Innovation should possess as many of the following characteristics as possible:

- Contains colorimetric/phosphorescing markers to indicate efficacy;
- Is safe to use on skin;
- Extended shelf life.

The Innovation must possess all of the following characteristics:

- Non-flammable/Non-reactive to common military products (paints, petrols, etc.);
- Is effective against a broad range of agents (V/G/H, etc.);
- Is effective over a large temperature range (at or below zero; up to +40C);
- Does not give false-readings to detection equipment;
- Requires minimal prep/mixing.

ANNEX B – INDUSTRY ENGAGEMENT QUESTIONS

Respondents are requested to provide the following information:

Company name	
Representative	
Telephone	
Email	

Please respond to the following:

Question 1:

Are there any commercially available solutions, Canadian or otherwise, that can currently meet the mandatory characteristics (i.e. those listed under “must”) of this Challenge?

Response 1:**Question 2:**

Are there any pre-commercial innovations at Technology Readiness Level¹ (TRL) 7 to 9 that can meet the mandatory characteristics of this Challenge?

Response 2:**Question 3:**

Do you currently have an innovation at TRL 7 to 9 that can meet at minimum the mandatory characteristics of this Challenge?

Response 3:**Question 4:**

Please provide a list of the non-mandatory characteristics (i.e. those listed under “should”) of this Challenge that you are able to meet.

Response 4:**Question 5:**

Are there any characteristics listed in this Challenge that you feel the industry will not be able to meet?

Response 5:

¹ <http://www.tpsgc-pwgsc.gc.ca/app-acq/picc-bcip/technologique-technology-eng.html>

Question 6:

Are there any additional features or benefits that can be described as advancements on the state of the art² which should be considered as additions to this Challenge?

Response 6:

Question 7:

Are there any other solutions for the problem this Challenge is attempting to solve?

Response 7:

Question 8:

Please refer to article 3 of this RFI document and provide any comments on the BCIP Challenge Call for Proposals or its attachments such as the Evaluation Grid or any other parts of this process.

Response 8:

² Advance on state of the art: A technology that is an advance on the highest level of development for current commercially available products or services. For the purposes of the BCIP, state of the art must meet the program's definition of innovation and is a key component against which innovations are evaluated to determine the level of advancement offered.

The BCIP evaluates innovations against what is commercially available, and not against other proposals or other related pre-commercial innovations which may be a similar advance on the state of the art.