

## **AMENDMENT 009**

The purpose of this amendment is to:

- 1) Revise previous Response 61;
- 2) Respond to potential bidders' questions; and
- 3) Amend Challenge 16.

1) At **Amendment 008**, **DELETE: RESPONSE 61** and **REPLACE WITH:**

The requested certification regarding the actual percentage of Canadian Content has been added to Page 3 of the online tool. Bidders who have completed, or are in the process of completing, their proposals, should edit their proposals and ensure to provide the required information.

2) **QUESTION 62:**

Does challenge 15 concern a study and/or development of hyperspectral imaging algorithms aimed at increasing the detection accuracy of compact spectrometers for nano/micro satellites? Or does this challenge relate mainly to work and investigations on the components of the imaging system and the choice of how to configure them?

**RESPONSE 62:**

Studies for Challenge 15 must propose a hyperspectral satellite mission concept, including the selection of the imaging spectrometer and satellite components to provide an estimate of the baseline performance of the system, an estimate of the approximate cost and a tentative timeline for building and launching the satellite. Proposals may also include preliminary work phases such as components and system concept validation and design (excluding the spectrometer), as well as construction and/or testing. However, this excludes studies related to the development and improvement of hyperspectral imaging algorithms that will be gathered by the system.

**QUESTION 63:**

Regarding Annex E version 3, please clarify why there are additional columns (Fiscal Years 2023-2024 and 2024-2025)?

**RESPONSE 63:**

It's important that proposals only use the last two fiscal years for Challenge 16. All other projects must be 36 months or less and only use the first three columns.

**QUESTION 64:**

Is there a limit to the word count for the project title?

**RESPONSE 64:**

The proposal title has a limit of 10 words.

The project titles that are requested in Annex F – Project Manager and Key Project Team Members' Experience have already been established and therefore do not have a word limit.

**QUESTION 65:**

Would our non-classified submission to this call be available through an Access to Information Request? Would our submission to this call be otherwise available to the public?

**RESPONSE 65:**

Most information contained in an unclassified proposal would be accessible in accordance with the *Access to Information Act*. Please refer to the Act for further details on access and exemptions (<https://laws-lois.justice.gc.ca/eng/acts/A-1/>). Otherwise, typically, information contained in proposals is not made public.

**QUESTION 66:**

I see that in Table C on Page 41 of the DRDC Innovation CFP 2019 W7714-19DRDC the SRL range for Challenge 16 is listed as 7-9.

Is the SRL 7-9 parameter noted on Page 41 where the project must be at prior to engaging in the CFP, or where the technology must land after the proposed project?

We have a particular technology that is currently SRL 4 that we plan to bring in through a phased approach to SRL 7-9 within the proposed project duration (< 60 months).

After reading the documentation I cannot determine whether such a thing is allowable in this particular CFP. Can you please advise?

**RESPONSE 66:**

This is acceptable; the proposal needs enough completeness to satisfy the evaluation criteria and demonstrate that the technology would be ready and fit for flight within the timescale of development of a space mission.

As well, please refer to 2) below for a revision to Challenge 16.

**QUESTION 67:**

In the call for proposals, would you be able to tell me whether the following sponsors could constitute a key element of our project proposal?

1. A regional county municipality
2. A provincial association recognized for fire safety.

**RESPONSE 67 :**

Please refer to section 3.1 Who May Apply for further information. As per section 3.1 of the Call for Proposals, a municipality may act as the Lead Government Department.

**QUESTION 68 :**

I'm wondering if there is any further detail in requirements for what the UAV needs to do?

Currently, I have the following:

- High-agility
- Long endurance (10 hours)
- coms link range of greater than 400kms
- Short take-off and landing --> must be able to be launch and recovered within a 50mx50 field with obstacles of 60m in height at the boundary
- modular payloads
- 2- crew operational
- airworthiness certification such that it can operate in urban airspace safely

**RESPONSE 68 :**

The specifications listed are for a UAS performing persistent Intelligence, Surveillance and Reconnaissance missions, as described in the challenge. Proposals should satisfy the specifications as listed.

**QUESTION 69 :**

S&T Challenge 16 – Demonstration of a Multi-Purpose SSA Microsatellite.

Given that this challenge has particular orbit requirements, bidders will structure their proposals addressing two options: (1) Canada obtaining launch services separately; and, (2) bidder's including launch services within the proposal. As there are no Canadian launch services available, it is our understanding that the cost of launch services for either scenario would be excluded in calculating Canadian Content Value. Is this correct?

**RESPONSE 69 :**

For the purposes of calculating Canadian Content value, all work should be included. Please note, as per section 5.1.2.1 of the Call for Proposals, that this solicitation is Conditionally Limited to Canadian goods and services. You may also refer to section 4.1.3 of the Call for Proposals for further information on the evaluation procedures.

**QUESTION 70:**

How do I account for indirect costs in the budget?

Also, I have been told that I should use the labour rates that I charge to clients for my staff time. Can you confirm that this is the case, or do I use their actual salary amounts?

**RESPONSE 70:**

Indirect costs are to be incorporated into your all-inclusive labor rates, and they must be in accordance with 1031-2 Contract Cost Principles., which can be found here: <https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/3/1031-2/6> .

Bidders are responsible to determine the rates that they charge, however, rates should be in line with how they typically charge for services. Bidders will have to provide price justification / demonstrate their rates during contract negotiations.

**QUESTION 71:**

Can our lead government department also provide a letter of support for our submission?

**RESPONSE 71:**

Refer to section 3.4.1.1: "At the bidder's discretion, the technical proposal may also include any relevant drawings, schematics, letters of support, and/or other additional information to support the bidder's response to the evaluation criteria."

Additional documents may be attached in the tool in the section labeled Additional Information (Optional).

**QUESTION 72:**

Can we submit two proposals? If so, we are thinking of submitting a study and a concept on two different topics.

**RESPONSE 72:**

Yes, a bidder may submit multiple proposals.

**QUESTION 73:**

I have set up an online submission account. I would like to know if it is possible to start populating the DRDC CFP, with the information only visible to the bidder until such time as it is submitted.

**RESPONSE 73:**

The information can only be viewed by the bidder and by any site administrators; however, it is not viewed by site administrators unless a request for assistance is requested.

**QUESTION 74:**

Regarding the "Alignment with Primary S&T Challenge (MC-4)", is it the case that if more than 750 words are entered, the text will be truncated upon "Saving" it or at the point of "Submitting" the proposal? In the former case, the bidder would be aware in advance of where the cut-off point is and could amend it,

accordingly.

**RESPONSE 74:**

As you type there is a word counter for your convenience. You will be able to type in more than the 750 words, however when you go to save it will not allow you to until you have met the word count requirement.

**QUESTION 75:**

On the "Submission Stage" page, two items are identified as "Optional" - "Additional Information" and "Proposal Checklist". Since "Annex G – Partnership Form" is only required for Stream A challenges, I assume it is not a prerequisite to submit the proposal.

**RESPONSE 75:**

When submitting a proposal for Stream B, once you select the Challenge (13, 14, 15, or 16), the Annex G Partnership Form will be removed from your Submission Stage page automatically.

**QUESTION 76:**

In Table A and Table B, it indicates that Concept Project SRL 1-3, and R&D Project SRL 3-4.

In a phased project, can we include SRL 3 in the Phase-1 [Concept] project and also in the Phase-2 R&D project, however the SRL 3 research in Phase-2 is at a higher level than in Phase-1?

**RESPONSE 76:**

Yes, you may include SRL 3 in Phase 1 and Phase 2. Please refer to Phased Projects in Annex A for further information.

**3) At Annex B – Science and Technology Challenges; 16. Demonstration of a Multi-Purpose SSA Microsatellite;**

**DELETE:**

**S&T Challenge**

This call requests proposals for the development and flight test of a SSA R&D microsatellite for DND/CAF to perform advanced SSA experimentation. Proposals must detail a technical approach for the space segment, ground segment and R&D operations for both the baseline and technology demonstration capabilities. In addition, the proposal must identify the decision points for the design, build, launch (optional), commissioning in space, and operation for up to one year. DND/DRDC will own the satellite system.

**REPLACE WITH:**

**S&T Challenge**

This call requests proposals for the development and flight test of a SSA R&D microsatellite for DND/CAF to perform advanced SSA experimentation. Proposals must detail a technical approach for the space

Solicitation No. - N° de l'invitation  
W7714-19DRDC/B  
Client Ref. No. - N° de réf. du client  
W7714-19DRDC

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009  
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Buyer ID - Id de l'acheteur  
062sv  
CCC No./N° CCC - FMS No./N° VME

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segment, ground segment and R&D operations for both the baseline and technology demonstration capabilities. In addition, the proposal must identify the decision points for the design, build, launch (options identified below), commissioning in space, and in operation for one year which does not include commissioning. DND/DRDC will own the satellite system.

**All other terms and conditions remain unchanged.**