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**SOLICITATION AMENDMENT  
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

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H5A 1L6

<b>Title - Sujet</b> Development of enabling space technologies - Développement des technologies spatiales habitantes	
<b>Solicitation No. - N° de l'invitation</b> 9F063-190729/A	<b>Amendment No. - N° modif.</b> 005
<b>Client Reference No. - N° de référence du client</b> 9F063-190729	<b>Date</b> 2020-11-25
<b>GETS Reference No. - N° de référence de SEAG</b> PW-SMTB-575-15907	
<b>File No. - N° de dossier</b> MTB-0-43149 (575)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> Eastern Standard Time EST <b>on - le 2020-12-17</b> Heure Normale de l'Est HNE	
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<b>Address Enquiries to: - Adresser toutes questions à:</b> Jurca, Anca	<b>Buyer Id - Id de l'acheteur</b> mtb575
<b>Telephone No. - N° de téléphone</b> (514) 415-4231 ( )	<b>FAX No. - N° de FAX</b> (514) 496-3822
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<b>Signature</b>	<b>Date</b>

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**PROJECT TITLE: Development of enabling space technologies**

The purpose of this amendment is to answer questions received.

**Questions and answers:****For Priority Technology 6: Cloud-computing for Synthetic Aperture Radar (SAR) processing****Question 1:**

Regarding PT-6, the following clarification is requested. Specifically, the clarification issued on November 23, 2020, includes the following:

Solicitation No 9F063-190729/A, Amendment 004 - Answer 1: *“As per Section 4, all RCM data is archived at CCMEQ and processed at CSA. Hence any solution handling RCM data will have to be hosted at CSA/CCMEQ. Any other proposal not handling or demonstrating its design using EO/SAR data can use public, private or hybrid type of cloud.”*

This clarification suggests that public cloud-based processing of RCM data are verboten, at least at present. Therefore, we are not quite sure why CSA would consider a proposal to use public clouds within PT-6 unless RSSSA is to be modified in the future to accommodate RCM processing in the cloud. To this end, we ask the following:

- a) Will PT-6 proposals that use clouds that are not located at CSA/CCMEQ be considered?
- b) If the answer to (a) is yes, then can other SAR data that are allowable in public clouds (e.g., Sentinel-1) be used as a proxy to RCM for the purpose of this project?
- c) Is the Government of Canada considering a modification to RSSSA to allow RCM data to be processed in clouds such as AWS?
- d) If the answer to (c) is no, then we are not quite sure why the use cases given for PT-6 include suggestions for the use of public/private clouds that are not located at CCMEQ/CSA.

**Answer 1:**

- a) Yes, other clouds can be considered if the proposed solution is not using RCM data.
- b) Yes, other SAR data can be used.
- c) The work proposed in response to this RFP should be on the basis that no change in the RSSSA are expected.
- d) Public/private clouds that are not located at CCMEQ/CSA can be considered if the proposed solution is not using RCM data.

Solicitation No. - N° de l'invitation

9F063-190729/A

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

9F063-19-0729

Amd. No. - N° de la modif.

005

File No. - N° du dossier

MTB-0-43149

Buyer ID - Id de l'acheteur

mtb575

CCC No./N° CCC - FMS No/ N° VME

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Consequently, the previously published clarification found in *Solicitation No 9F063-190729/A - Amendment 004 - Answer 1* is rectified as follows:

**Delete:**

“As per Section 4, all RCM data is archived at CCME0 and processed at CSA. Hence any solution handling RCM data will have to be hosted at CSA/CCME0. Any other proposal not handling or demonstrating its design using EO/SAR data can use public, private or hybrid type of cloud.”

**Replace with:**

“As per Section 4, all RCM data is archived at CCME0 and processed at CSA. Hence any solution handling RCM data will have to be hosted at CSA/CCME0. Any other proposal not handling or demonstrating its design using RCM data can use public, private or hybrid type of cloud.”

**Question 2:**

Is compliance with the Remote Sensing Space Systems Act (RSSSA) mandatory for any new solution or could this project propose innovative solutions that could shape new data policies that may be implemented within a modified (or eliminated) RSSSA?

**Answer 2:**

Compliance with the current RSSSA is mandatory for any new solution, where applicable. The work proposed in response to this RFP should be on the basis that no change in the RSSSA are expected.

**For Priority Technology 4: Mass and Volume Reduction for Planetary Exploration Instrument**

**Question 3:**

Under PT-4, can we include the creation (design, prototyping and testing) of a system that allows for automated transportation and processing of the sample from the drill to the scientific instrumentation in this bid? I am aware that the opportunity identifies that the scope of the project would revolve around mass and volume reduction of a scientific instrument. This question is posed to clarify if the scientific instrument in question can include the extraction and processing equipment, seeing as this would also be necessary in a robotic planetary mission.

**Answer 3:**

The technology development proposed under PT-4 must primarily address mass and volume reduction for planetary exploration instrument. Hence, a proposal that solely addresses the development of an automated sample transportation and processing equipment would not fit the Scope of Work defined for this Priority Technology.

**ALL OTHER TERMS AND CONDITIONS OF THE RFP REMAIN UNCHANGED**