Public Works and Government Services Canada

Travaux publics et Services gouvernementaux Canada

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:

Bid Receiving - PWGSC / Réception des soumissions - TPSGC
Place du Portage, Phase III
Core 0B2 / Noyau 0B2
11 Laurier St./11, rue Laurier
Gatineau
Québec
K1A 0S5
Bid Fax: (819) 997-9776

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.

Title - Sujet SMMS
SAR Mission Managment System

Solicitation No. - N° de l'invitation	**Amendment No. - N° modif.**
W8474-218069/C	002

Client Reference No. - N° de référence du client	**Date**
W8474-218069	2021-09-27

GETS Reference No. - N° de référence de SEAG
PW-$$XL-111-39864

File No. - N° de dossier	**CCC No./N° CCC - FMS No./N° VME**
111xl.W8474-218069	

Solicitation Closes - L'invitation prend fin	
at - à **02:00 PM**	Eastern Daylight Saving Time EDT
on - le **2021-10-15**	Heure Avancée de l'Est HAE

F.O.B. - F.A.B.
Plant-Usine: ☐ Destination: ✔ Other-Autre: ☐

Address Enquiries to: - Adresser toutes questions à:	**Buyer Id - Id de l'acheteur**
Hansen, Cendrella	111xl

Telephone No. - N° de téléphone	**FAX No. - N° de FAX**
(343) 551-5221 ( )	( ) -

Destination - of Goods, Services, and Construction:
Destination - des biens, services et construction:

Comments - Commentaires

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

Issuing Office - Bureau de distribution
Shared Systems Division (XL)/Division des systèmes partagés (XL)
Terrasses de la Chaudière
4th Floor, 10 Wellington Street
4th etage, 10, rue Wellington
Gatineau
Québec
K1A 0S5

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	**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**

Canadä

This amendment 02 is raised to provide answers to questions received from bidders and modify the closing date:

At first page of REQUEST FOR PROPOSAL, 'Section "Solicitation Closes - L'invitation prend fin'':

DELETE: at 02:00 PM on 2021-10-08
               Eastern Daylight Time EDT

INSERT: at 02:00 PM on 2021-10-15
               Eastern Daylight Time EDT

SECTION 1: QUESTIONS / ANSWERS :

Q. 01: Request for extension.

A. 01: The closing date is extended to **Friday 15 October** at 2pm EDT. Due to the need to move quickly on this procurement, no further extensions will be approved.

Q. 02: Can the proposal and the associated forms be digitally signed or is it required to physically sign them then scan them?

A. 02: Yes, digital signatures will be accepted.

Q. 03: Will SARNOC be providing the Level 1 support on the system? Page 53 Paragraph 7.25

A. 03: Canada will be responsible for Level 1 support of the Search and Rescue Mission Management System (SMMS) and its infrastructure as described in the RFP. It is anticipated that the Search and Rescue Network Operations Communications Centre (SARNOCC) will be the organization responsible for the Level 1 support.

Q. 04: Can you please confirm if it is a mandatory requirement to provide support in both English and French, or will English-only be acceptable? If both English and French are required, is it also a mandatory requirement for the support website to function in both English and French? Page 53 Paragraph 7.25

A. 04: Yes, the support services for SMMS must be provided in both French and English. The support websites must support both English and French and their user interfaces must be in both languages.

Q. 05:   Does this requirement apply to simulation, data import, and installation scripts/tools as well as the core running application components? ID SOW-2382

A. 05:   Yes, this requirement applies to all application components, including the core running application components and scripts and tools for simulation, data import and installation.

Note that ID SOW-2382 is amended to correct a typo: the word "contains" is changed to "containers".

Q. 06: What is the hosting environment mandated by Canada, or are there options? ID SOW-2703

A. 06: Canada does not mandate the use of any specific cloud platform. Canada has access to a number of commercially available cloud platforms on which the SMMS Hosting Environment can be built.

Suppliers can consult PSPC to confirm if a specific cloud platform is currently supported by Canada.

Q. 07: Does the DSHQ have network access to the SMMS system, or does it need to operate with no network connectivity? ID SOW-1093

A. 07: The Deployed Search Headquarters (DSHQ) will have network (Internet) access. DSHQs are not required to provide the capability when it has no network connection.

Q. 08: What is the hosting environment required to be used? ID SOW-1125

A. 08: Refer to the response provided for ID SOW-2703.

Q. 09: Does Canada have a solution already in place that we are required to use? ID SOW-1132

A. 09: No, Canada does not have a Multi-factor authentication solution for the Contractor to use. The Multi-factor authentication capability must be furnished and implemented as part of the SMMS Core Application.

Q. 10: Does the proposed product need to provide the API to access its systems, or does it need to be able to access an external API? Can you please provide more details? ID SOW-1137

A. 10: The proposed application must be capable of accessing external systems through Application Programming Interfaces (APIs). There is no requirement for the proposed application to expose an API that provides access from external systems.

Q. 11: Please confirm if the desired functionality is for users to only be able to edit their own logs, or the logs of people who have a "lower" level role (e.g. administrator can edit any operator log entry, but an operator cannot edit a log entry created by another operator)? ID SOW-1159

A. 11: Requirement ID SOW-1159 is deleted.

Q. 12: What does higher-level privileges mean? Is a logkeeper higher-level than an operator since this permission involves a log entry? Or does the order of higher level go Administrator > Operator > Logkeeper > Observer? Does the check on role of the user need to be based on the role of the user that created the entry currently, or the role of the user when the entry was created? ID SOW-1165

A. 12: This statement describes an expected behaviour whereby log entries should only be editable the user who entered it and by users with administrative privileges.

Note: This is not a mandatory requirement; it is an information statement that describes an expected behaviour.

Q. 13: Does Canada want the SIT message associated to the incident instead of the Beacon alert? Do we need to specifically acknowledge SIT messages instead of the alerts within the message? ID SOW-1187

A. 13: The SMMS Core Application must allow users to associate a SIT Message to an incident, acknowledge the message without further action, or start a new incident directly.

SIT messages sent to rescue centres can be beacon alerts or narrative type messages. New beacon alerts are one of many types of SIT messages.

Please clarify the question if further information is needed.

Q. 14: What do you mean by "Type"? Do you mean ELT, EPIRB, PLB, etc?? ID SOW-1198

A. 14: Yes, type refers to ELT, EPIRB, PLB, etc. in this context.

Q. 15: How is this Type different from the beacon Type in SOW-1222? Would this be type of detection such as DOA, Doppler, or Encoded? ID SOW-1241

A. 15: Requirement ID SOW-1241 is deleted. It was a duplication of ID SOW-1222.

Q. 16: Please clarify what a Humanitarian search object is? Is this individual people (such as PIW or lost hiker) to be searched for? Is this a person being moved between locations - i.e. a medevac? ID SOW-2436

A. 16: Humanitarian search objects are normally individuals or groups of individuals (e.g., injured hikers, patients requiring medical transfer from isolated locations, etc.) that are in need of assistance.

Humanitarian incidents are those that fall outside the primary mandate of the Canadian Federal SAR program. Examples of such incidents and the type of assistance rendered is broadly described in IAMSAR Volume II Chapter 7 with examples given in section 7.5.

Q. 17: Is Gender distinct from Sex? Or can Gender be considered as the same as Sex in this context? ID SOW-1528

A. 17: While there are clear differences in the meanings and usages of the terms "gender" and "sex", it is understood that some off-the-shelf applications currently used for SAR mission coordination may not yet have implemented fields that clearly distinguish between the two terms. To avoid introducing requirements that will lead to a need to modify an otherwise off-the-shelf application, it is acceptable to use the terms "gender" and "sex" interchangeably for the purpose of meeting this requirement.

Depending on how the terms "gender" and/or "sex" are implemented in the Interim SMMS Core Application that is eventually delivered by the Contractor, Canada expects to implement

enhancements for the Full SMMS Core Application (i.e., during Phase 2) to ensure a clear distinction between the two terms.

Q. 18: Is this the search activity being done by the SRU, or is this whether or not the SRU is available to be used? ID SOW-2493

A. 18: Requirement ID SOW-2493 is amended to provide clarification.

Q. 19: Does this mean that Beacon Alerts must be completely invisible on the maps for closed incidents? What happens if the beacon has not been resolved, but is still assigned to an incident that has been closed? How does the user deal with this? ID SOW-2512

A. 19: Requirement ID SOW-2512 is amended. It is expected that this amendment clarifies the requirement and provides for different means of meeting the underlying need.

Q. 20: Does the Aerial imagery need to be local, or can an online supplier be used? Will Canada be supplying any of this data? What format are they in? ID SOW-1879

A. 20: The Contractor is required to supply aerial imagery and maps. These can be stored locally or sourced online.

Q. 21: What format are these in? Is Canada supplying these, or do we need to purchase them for the project? ID SOW-1873

A. 21: **The answer to this question will be provided in a subsequent amendment.**

Q. 22: Is an internet connection available? All sources we know of can only be accessed through the internet. ID SOW-1884

A. 22: An internet connection is available for the application to access weather information sources.

Q. 23: Does this mean for a 3rd party contractor or Canada to do it directly, or for the code to support the bidder doing this in future? ID SOW-1887

A. 23: This requirement is to specify that the proposed application is required to have a capability to add additional weather data from new external sources and to display it in the application. Through this capability, it is expected that the Contractor will be able to easily add weather data if and as requested by Canada without significant effort.

Q. 24: What does auto-completion mean in this context? ID SOW-1962

A. 24: Requirement ID SOW-1962 is amended to provide clarification.

Q. 25: What are the interfaces to these systems? What is the content of the pleasure craft database? Is it mostly equivalent to a vessel registry? ID SOW-1965

A. 25: Requirement ID SOW-1965 is amended to describe the required interfaces.

Yes, the pleasure craft registry is similar to a vessel registry.

Q. 26: What is the requirement here? ID SOW-2026

A. 26: The referenced paragraph is not a requirement. The capability statements and features specified in ID SOW-2005 (SOW section 6) and its subsections are not mandatory requirements. They are provided for informational purposes and for providing context to the work for the Full SMMS Core Application (i.e., Phase 2). Further details will be discussed with the Contractor at that time, if applicable.

Bidders are not expected to provide responses to any Information statements (i.e., the "Requirement Type" column indicates "Information").

Q. 27: What is the requirement here? ID SOW-2028

A. 27: The referenced paragraph is not a requirement. The capability statements and features specified in ID SOW-2005 (SOW section 6) and its subsections are not mandatory requirements. They are provided for informational purposes and for providing context to the work for the Full SMMS Core Application (i.e., Phase 2). Further details will be discussed with the Contractor at that time, if applicable.

Bidders are not expected to provide responses to any Information statements (i.e., the "Requirement Type" column indicates "Information").

Q. 28: What is the source for this data? ID SOW-1142

A. 28: The capability statements and features specified in ID SOW-2005 (SOW section 6) and its subsections are provided for informational purposes and for providing context to the work for the Full SMMS Core Application (i.e., Phase 2). Further details will be discussed with the Contractor at that time, if applicable.

Bidders are not expected to provide responses to any Information statements (i.e., the "Requirement Type" column indicates "Information").

Q. 29: What format will these maps be in? ID SOW-2031

A. 29: The capability statements and features specified in ID SOW-2005 (SOW section 6) and its subsections are provided for informational purposes and for providing context to the work for the Full SMMS Core Application (i.e., Phase 2). Further details will be discussed with the Contractor at that time, if applicable.

Bidders are not expected to provide responses to any Information statements (i.e., the "Requirement Type" column indicates "Information").

Q. 30: The example indicates rules related to incident closure. Are there any other types of actions are expected to require business rules to be applied? ID SOW-2033

A. 30: The capability statements and features specified in ID SOW-2005 (SOW section 6) and its subsections are provided for informational purposes and for providing context to the work for the Full SMMS Core Application (i.e., Phase 2). Further details will be discussed with the Contractor at that time, if applicable.

Bidders are not expected to provide responses to any Information statements (i.e., the "Requirement Type" column indicates "Information").

Q. 31: Which section in IAMSAR Volume II contains the Flare information? We are unable to locate any tables or information regarding Flare calculations. ID SOW-2037

A. 31: The capability statements and features specified in ID SOW-2005 (SOW section 6) and its subsections are provided for informational purposes and for providing context to the work for the Full SMMS Core Application (i.e., Phase 2). Further details will be discussed with the Contractor at that time, if applicable.

Bidders are not expected to provide responses to any Information statements (i.e., the "Requirement Type" column indicates "Information").

Note that flare information and tables are contained in Annex N of the 2019 edition of IAMSAR Volume II.

SECTION 2- MODIFICATIONS :

ID	Requirements	Requirement Type

Replace:

SOW-2382	The Contractor must provide evidence that all application components and dependencies are packaged and deployed in containers. SA-8 requires the use of security engineering principles to package contains according to best practices.	Mandatory

With:

SOW-2382	The Contractor must provide evidence that all application components and dependencies are packaged and deployed in containers. SA-8 requires the use of security engineering principles to package containers according to best practices.	Mandatory

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Replace:

SOW-1159	Logs must be editable on a per-user basis or by higher-level designated administrator users.	Mandatory

With:

SOW-1159	*Deleted*	Information

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Replace:

SOW-1241	m. Type	Mandatory

With:

SOW-1241	m. *Deleted*	Information

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Replace:

SOW-2493	b. Asset Status	Mandatory

With:

SOW-2493	b. Asset Status (i.e., the state of availability of the asset such as "Available", "Unserviceable", etc.)	Mandatory

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Replace:

SOW-2512	Upon Incident Closure, the SMMS Core Application must no longer display C/S beacons associated with the incident.	Mandatory

With:

SOW-2512	The SMMS Core Application must have a user-selectable means to not display C/S Beacons that are no longer relevant or timely.	Mandatory

Note: This requirement is intended to remove from the user's display any beacons that are old enough to not be relevant to ongoing cases, and/or those that are associated to closed cases. For example, ways in which this requirement could be implemented include:
- Filtering out beacons based on time since reception;
- Filtering out beacons that are associated to a closed incident; or,
- User designated beacon filter(s) based on time and/or incident status and/or other relevant fields.

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Replace:

| SOW-1962 | The SMMS Core Application must allow editing of DTG field manually, by use of calendar widget, and by auto completion method. | Mandatory |

With:

| SOW-1962 | The SMMS Core Application must pre-populate DTG fields for newly created items (e.g., logs) with the current date and time, and allow editing of DTG fields manually and by use of calendar widget. | Mandatory |

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Replace:

| SOW-1965 | The SMMS Core Application must be cable of interfacing with and retrieving information from databases such as the Canadian Beacon Registry, Transport Canada Aircraft and vessel registries, and Service Canada pleasure craft licensing database. | Mandatory |

With:

| SOW-1965 | The SMMS Core Application must be capable of interfacing with and retrieving information from databases such as the Canadian Beacon Registry, Transport Canada Aircraft and Vessel registries, and Service Canada pleasure craft licensing database, through:
- Access to flat files that are received through sFTP; and
- REST API queries. | Mandatory |

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Replace:

| SOW-2007 | The Full SMMS Core Application will support COSPAS-SARSAT second generation beacons as described in C/S 002. | Information |

With:

| SOW-2007 | The Full SMMS Core Application will support COSPAS-SARSAT second generation beacons as described in C/S T.018. | Information |