



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Bid Receiving Public Works and Government
Services Canada/Réception des soumissions/Travaux
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See herein for bid submission
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Voir la présente pour les
instructions sur la présentation
d'une soumission

NA
Ontario

**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.

Comments - Commentaires

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

Issuing Office - Bureau de distribution
Public Works and Government Services / Travaux
publics et services gouvernementaux
Kingston Procurement
Des Acquisitions Kingston
86 Clarence Street, 2nd floor
Kingston
Ontario
K7L 1X3

Title - Sujet Digital ISR Services	
Solicitation No. - N° de l'invitation W6399-23DB06/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client W6399-23-DB06	Date 2022-06-20
GETS Reference No. - N° de référence de SEAG PW-\$KIN-519-8668	
File No. - N° de dossier KIN-2-58011 (519)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Daylight Saving Time EDT on - le 2022-06-22 Heure Avancée de l'Est HAE	
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes	
Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Choquette, Herb	Buyer Id - Id de l'acheteur kin519
Telephone No. - N° de téléphone (613) 449-8446 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Department of National Defence Ottawa ON	

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

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Bidders' Questions and Responses from Canada

Question 1: Based on the requirements, the equipment must be in place by the due date identified in the RFP.

Response 1: Yes the equipment and technicians must be in Fort Knox, KY to support a DND training exercise on 5 July 2022.

Question 2: Does that require that the RFP submission be sent before (assuming 7 days), the delivery date of the equipment?

Response 2: The response to the RFP must be received by Canada on or before the closing date on the first page of the RFP or the latest amendment.

Question 3: When exactly are the services required? Tender says by 30 June.

Response 3: Services are required in Fort Knox, KY starting 5 July 2022 and ending 15 July 2022.

Question 4: Request for an extension? Currently Closing 22 June.

Response 4: No.

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7.4 Term of Contract

Delete:

7.4.1 Period of the Contract

The Contract term is from date of Award to July 10 2022.

7.4.2 Delivery

The ISR simulation must be delivered to the Project Authority on or before 30 June 2022

Insert:

7.4.1 Period of the Contract

The Contract term is from date of Award to July 22, 2022.

7.4.2 Delivery

The ISR simulation and the technicians must be in Fort Knox, KY to support a DND training exercise on 5 July 2022.

Delete all of Annex "A" and replace with:

ANNEX "A" STATEMENT OF WORK

INTELLIGENCE, SURVEILLANCE AND RECONNAISSANCE (ISR) SIMULATION SERVICES

1.0 Scope

This Statement of Work (SOW) is to outline the requirements of Department of National Defence (DND) for simulated ISR services.

1.1 Purpose

DND has a requirement for a Contractor to provide simulated ISR services in support of a DND training exercise.

1.2 Background

Traditional ISR services (static imagery) has proven to be expensive, resource intensive and inefficient when fuel, weather, out of service times and the need to hire hundreds of role players, are taken into consideration. Such static imagery also requires a high degree of interpretation and is often found to include inadequate and unrealistic information from what ground forces (GF) encounter on the objective.

DND has a mandate to explore a more cost effective and efficient option, by exploring the production of simulated ISR that displays a digital model of the real objective and the surrounding areas within an acceptable scale with a Master Events List (MEL) superimposed onto the terrain model. Where technicians would superimpose a realistic but simulated ISR type readout that offers information similar to a real ISR feed. This simulated ISR feed could then be controlled by exercise cadre who act as ISR operators interactive with GF members who can actually direct the simulated ISR feed via "chat". This should greatly enhance the situation awareness, leading better planning and more realistic training. There are also further substantial savings as the simulated ISR can be used repetitively on future exercises if the locations remain the same, simply requiring the technicians to deploy without terrain modeling costs.

2.0 Requirements

2.1 The Contractor must provide a total of twenty eight (28) hours of ISR simulation services (twenty (20) hours of daytime and eight (8) hours of night time), utilizing the Anaconda, Chicken Run, HSTL MOUT and Anaconda, Afghan, Redwing and Zussman village Military Operation Urban Terrain (MOUT) sites, to support a DND training exercise in Fort Knox, KY.

- a) DND will require simulated ISR feeds with controllers that would provide the simulated ISR tasking over the areas of Anaconda, Afghan, Chicken Run and HTSL MOUT sites based on scheduled timings. The vendor must not only replicate the training areas, but also be able to superimpose patterns of life (both day and night) based on a provided MEL, which the GF could direct via "chat". The technicians would be able to move and adjust the course of this simulated ISR feed as requested by the GF. The requirement is based on one (1) target location as well as 10 km radius around the target area to include the reproduction of any roads or trails within the 10 km radius of the target as well any other build up areas.
- b) The support must be provided as specified in the technical requirements and fully operational from (all times local) 0900hrs on the 05th of July 2022 until 0800 hours on the 15th of July 2022, which is the planning cycle for all targets in this exercise. Deployment, Redeployment

dates, set up and tear down of equipment must be outside of the 05-15 July 2022 planning times.

2.2 The Department of National Defence at CANSOF is requesting simulated ISR lines of operation, both day and night with minimum of two (2) technicians that can direct the ISR based on the GF's direction via "chat". These ISR dedicated lines of task will support planning and mission preparations in Fort Knox, Kentucky focused on the Chicken Run, HSTL MOUT, Anaconda, Afghan, Redwing and Zussman village MOUT sites. See below for detailed breakdown of the specific requirements.

3.0 Deliverables

3.1 The Contractor must deliver simulated ISR services, encompassing the requirements listed in Section 2 (Requirements).

3.2 The Contractor must not only replicate the training areas, but also be able to superimpose patterns of life (both day and night) based on provided MEL and as directed by GF via "chat".

3.3 The Contractor's Instructors must have a minimum of two (2) years' experience providing simulated ISR services (preferably with military organizations).

3.4 The Contractor's simulated services must include and not be limited to the following technical specifications:

- a. Based on imagery packages, produce level 2, 3D Base-Line Modelling of 4 (four) sites (Chicken Run, HSTL MOUT, Anaconda, Afghan, Redwing and Zussman village MOUT sites within Fort Knox, KY) and a surrounding area of approximately 10km to include roads, trails and tracks as well as any buildings and built up sites;
- b. Once 3D Base-Line Modelling is completed for Chicken Run, HSTL MOUT, Anaconda, Afghan, Redwing and Zussman village MOUT sites and area, then the model must be inputted into the newly created terrain;
- c. The MEL superimposed onto the Terrain Model produced must show a fulsome population of men, women and children as well as goats, chickens, dogs and horses. The MEL must also show vehicles, weapons and machinery. All items in the MEL must appear to be indigenous to an area similar to Kandahar (Afghanistan) or Mosul (Iraq);
- d. Deliver the full motion video downlink to the planning team during training exercise. The simulated ISR video downlink must show information data in the margins of the screen similar to a MQ-1 or MQ-9 type unmanned ISR platform;
- e. Provide simulated On Station (ONSTA) ISR platforms both day and night that includes a superimposed MEL showing pattern of life that includes people, weapons, vehicles that can replicate the specific region and demographics that are applicable to the location of the given scenario. There must also have the ability to move and adjust the course of the simulated [SR feed as requested by the GF's direction via "chat"; and
- f. Night time simulated ISR tasking must simulate a "thermal" signature.

3.5 The Contractor must provide all licenses, software and all hardware needed for both the technicians and DND's GFs within the planning area.

3.6 The schedule and timings for the Contractor's sixteen (28) hours of services, will be coordinated between Contractor and DND after Contract execution.

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Delete all of Annex "B" and replace with:

ANNEX "B", BASIS OF PAYMENT

Insert:

Pricing: All prices are firm, all-inclusive, unit prices in Canadian dollars, FOB Destination, Canadian customs duties and excise taxes included, HST excluded. HST is not included in the pricing but will be added as a separate item to any invoice issued. The Contractor must provide and pay for all meals, transportation and accommodation for their personnel. The cost of meals, transport and accommodation must be included in the lot price.

Pricing Basis "A",

\$_____ lot price for 28 hours of ISR simulation with a minimum of 2 technicians at on-site as stated in Annex "A".