Public Works and Government Services Canada | Travaux publics et Services gouvernementaux Canada

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Travaux publics et Services gouvernementaux Canada
Place Bonaventure, portail Sud-Est
800, rue de La Gauchetière Ouest
7 ième étage
Montréal
Québec
H5A 1L6
FAX pour soumissions: (514) 496-3822

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

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Place Bonaventure, portail Sud-Est
800, rue de La Gauchetière Ouest
7 ième étage
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Title - Sujet LIDAR SYSTEM	
Solicitation No. - N° de l'invitation KM196-135041/B	**Amendment No. - N° modif.** 001
Client Reference No. - N° de référence du client KM196-13-5041	**Date** 2016-02-08
GETS Reference No. - N° de référence de SEAG PW-$MTA-405-13682	
File No. - N° de dossier MTA-4-37317 (405)	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin **at - à 02:00 PM** **on - le 2016-02-22**	**Time Zone** **Fuseau horaire** Heure Normale du l'Est HNE
F.O.B. - F.A.B. **Plant-Usine:** ☐ **Destination:** ☑ **Other-Autre:** ☐	
Address Enquiries to: - Adresser toutes questions à: Séguin, Caroline	**Buyer Id - Id de l'acheteur** mta405
Telephone No. - N° de téléphone (514) 496-3734 ( )	**FAX No. - N° de FAX** (514) 496-3822
Destination - of Goods, Services, and Construction: **Destination - des biens, services et construction:** Environnement Canada Centre national de recherche en hydrologie 11 boulevard Innovation, Saskatoon (SK), S7N 3H5	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	**Delivery Offered - Livraison proposée**
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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**	

Canada

AMENDMENT 01

The purpose of this amendment 01 is to publish Questions and Answers (Q&A) regarding this Request for Proposal (RFP).

Q1: In reference to Annex A, section 3.2.2 Mandatory System Specifications:

The request is for a system that can provide “real world” coordinates in latitude and longitude without relying on external control points established by additional pieces of equipment. Is the purchaser looking for equipment that will provide point cloud data with Latitude/Longitude coordinates like WGS84 GPS positions or for traditional X/Y coordinates with Northings and Eastings related to either a local system of control or a larger mapping projection in grid like UTM (Universal Transverse Mercator)?

I am personally not aware of a piece of technology that can provide the Latitude/Longitude coordinates in the point cloud as they have always traditionally provided Northings/Eastings/Elevations. There are some scanners that will use a GPS position to help with the registration and stitching of the point clouds together but I don’t think they go much beyond that with the workflow. Even if the scanner could use an internal GPS to create an origin for scan coordinates, how would you orientate things without referencing some kind of external control? I would like to talk to somebody on the phone if they are available.

A1: The use of the terms latitude and longitude in the Mandatory Requirements was misleading. Providing traditional XYZ coordinates (in meters for example) related to a local system of control is acceptable. If required, we have the capability to convert to larger mapping projections. With regard to orientation, the system requires the ability to autonomously reference the scan to real world coordinates, generally UTM, without external control points or back-sights. To accomplish this, the system needs an integrated GPS (position) and electronic compass (azimuth).

Q2: Are there any environmental specifications the scanner must satisfy? Does it need to be able to work in the rain, snow, or at -20ºC?

A2: Environmental specifications – we will not be using the scanner if it is raining or snowing, or if there is snow on the ground. Our preference for using the scanner is during late autumn when leaves are off the trees and taller grasses have died off. In general, it will be used in temperatures of above freezing, but we put no temperature requirement in because, if it is cold out, we take extra care to keep the scanner and batteries warm.

All other terms and conditions remain unchanged.