

ISED/COMMUNICATIONS RESEARCH CENTER

ADVANCE CONTRACT AWARD NOTICE (ACAN)

An Advance Contract Award Notice (ACAN) allows departments and agencies to post a notice, for no less than fifteen calendar days, indicating to the supplier community that it intends to award a good, service or construction contract to a pre-identified contractor. If no other supplier submits, during the fifteen calendar day posting period, a statement of capabilities that meet the requirements set out in the ACAN, the competitive requirements of the government's contracting policy have been met. Following notification to suppliers not successful in demonstrating that their statement of capabilities meets the requirements set out in the ACAN, the contract may then be awarded using the Treasury Board's electronic bidding authorities.

If other potential suppliers submit statements of capabilities during the fifteen calendar day posting period, and meet the requirements set out in the ACAN, the department or agency must proceed to a full tendering process on either the government's electronic tendering service or through traditional means, in order to award the contract.

CONTRACTING OFFICER NAME:

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TITLE:

3D Laser Scanning Services

BACKGROUND:

This service contract is linked to ongoing research and development being conducted at the Communication Research Centre (CRC) into 5G communications, spectrum monitoring, and dynamic spectrum access. For visualization and simulation purposes, CRC previously acquired 3D models of specific areas near Ottawa's City Hall and CRC's campus. To support upcoming research and a demonstration during the summer of 2017, CRC now needs to expand the 3D models to include larger areas around Ottawa's City Hall and CRC campus. Only one company is known to be able to provide this service due to the fact that:

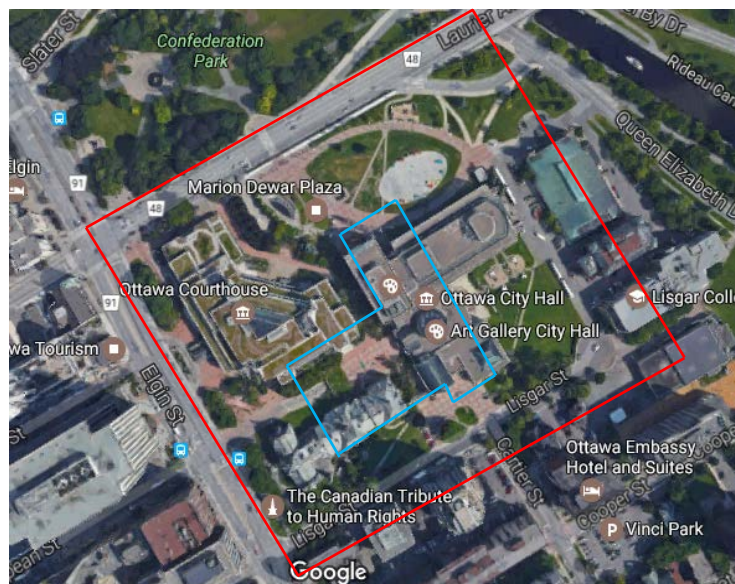
- The company's 3D laser scanning technology is required to meet CRC's simulation requirements.
- The new expanded data must be compatible with previously procured data.

REQUIREMENTS/RESULTS:

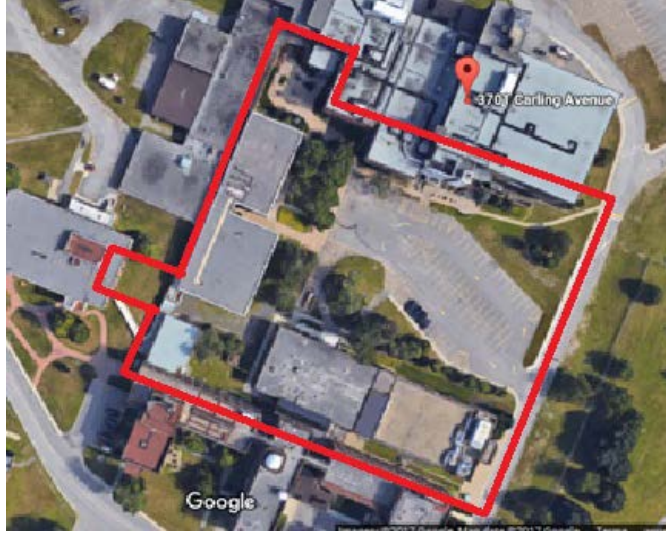
The service contract is required in order for the contractor to provide the above mentioned service to CRC in support of its ongoing research and development within the Spectrum Environment Awareness (SEA), Making Better Use of Spectrum (MBUS), and Breaking the Frequency Barrier (BFB) research programs. Prices were discussed and obtained from the sales representatives. No other company can provide a service which is compatible with existing simulation models being used at CRC. CRC is Canada's government department that is responsible for communications research and as experts in communications believe the service contract to be fair and reasonable.

SCOPE OF WORK AND DELIVERABLES:

Building from previously obtained models, CRC requires separate 3D laser scanned models for the following two areas for ray-tracing simulations and 3D visualization purposes. These models must be compatible with previously obtained models.



(a) City Hall Expanded Area-L



(c) CRC Expanded Area.

- For purpose of simulation:
 - All building materials are to be created on a separate model layer and exportable as a separated file for importing into Wireless InSite (WI).
 - Materials to include: concrete, metal, brick masonry, regular glass, tinted glass, wood, earth, asphalt, tree trunks and foliage.
 - Models to include: building facades, air-conditioning facility, wooden fences, metal pipes, antenna tower, windows and window frames, trees separated in trunks and foliage, street signs, doors, asphalt road, ground terrain, utility poles, and public furniture. The model will be broken down, organized, and delivered in a way that will allow the CRC to increase or decrease the complexity of the WI simulation environment in consideration of potential software or hardware limitations.
- For purpose of 3D visualization:
 - Photo-quality texturing for the above 3D models to create a more realistic 3D environment when displaying spectrum information. The level of quality should be similar to what can be obtained with Google Street View.

DELIVERABLES:

- City Hall Expanded Area – L for visualization and for simulation
- CRC Outdoor Expanded Area for visualization and simulation

IDENTIFICATION OF CONTRACTOR:

IF THEN ARCHITECTURE INC.
376 Winona Ave.,
Ottawa, Ontario K1Z 5H7 Canada

REASON FOR AWARDING CONTRACT TO THIS CONTRACTOR:

CRC previously procured a 3D model from IF THEN ARCHITECTURE INC. for two small areas of interest near Ottawa's City Hall and CRC Campus as a means to test the model and initiate R&D into improved propagation models for high frequency radio signals in the millimetre-wave band. CRC now needs to expand the areas of interest for visualization purpose during an upcoming demonstration and to further advance our propagation model through simulations over a larger area. IF THEN ARCHITECTURE INC. is the only company that is capable of providing this service due to the specialized 3D laser scanning technology and due to technical compatibility with previously procured 3D data models, which is now part of the area of interest.

ESTIMATED COST:

The estimated value of the contract is **\$85,000** including applicable taxes, with the work to take place from date of contract award to March 31, 2018.

APPLICABLE LIMITED TENDERING REASONS:

Section 6(d) of the Government Contracts Regulations is being invoked in this procurement as only one person or firm is believed capable of performing the contract.

OWNERSHIP OF INTELLECTUAL PROPERTY:

Not applicable.

Period of the proposed contract or delivery date

The proposed contract is from contract award till March 31, 2018.

You are hereby notified that the government intends to solicit a bid and negotiate with the firm identified above.

If you wish to submit a written response showing that you are capable of meeting this requirement, it must be done not later than the closing date and time. As it is intended to proceed in a timely manner, responses received after the closing date will not be considered. The Crown reserves the right not to open this procurement to competition.

Responses received on or before the closing date will be considered solely for the purpose of deciding whether or not to conduct a competitive procurement. Information provided will be used by the Crown for technical evaluation purposes only and is not to be construed as a competitive solicitation. Your written response must provide sufficient

evidence (e.g. specifications, technical data, drawings, or any other proof) that clearly demonstrates that your product or service is capable of fulfilling this requirement.

Suppliers that have submitted a response will be notified in writing of Industry Canada's decision to continue with the non-competitive procurement or to compete the requirement.

Should you have any questions concerning this requirement, contact the contracting officer identified above. The Industry file number, the contracting officer's name and the closing date of the ACAN must appear on the outside of the envelope in block letters or, in the case of a facsimile transmission, on the covering page.

The Crown retains the right to negotiate with suppliers on any procurement. Documents may be submitted in either official language of Canada.