Addendum / Addenda

Project Description / Description de projet		
Smart Building Monitoring and On-going Commissioning - Maritime Provinces		
Solicitation No./N° de solicitation	Project No./N° de projet	W.O. No./N° d'ordre de travail
19-58046		
Departmental Representative / représentant ministériel		Date
Scott Shillinglaw		November 8, 2019

Notice:	Nota:
This addendum shall form part of the tender documents and all conditions shall apply and be read in conjunction with the original plans and specifications.	Cet addenda fait partie intégrale des dossiers d'appel; toutes les conditions énoncées doivent être lues et appliquées en conjonction avec les plans et les devis originaux.

1 Questions and Answers - Part II (2 pages)

2 Appendix A - Statement of Requirements, revised items 2.13.G (1 page)

RFP 19-58046 – Smart Building Monitoring and On-going Commissioning – Maritime Provinces

Questions and Answers – Part II

1. In section 2.3.1 of Appendix A "Statement of Requirements" of the RFP, you mention "cellular equipment" for remote transfer of the collected data. Does this mean that the data sent to our data warehouse is done by cellular transmission only?
   Answer: Refer to addendum #1.

2. In Section 2.13.1, paragraph G of Appendix A "Statement of Requirements" of the RFP, you say that the bidder's cyber-security design must include "a mechanically operated isolation system"... Would it be possible to provide more details about that requirement?
   Answer: Refer to addendum #2.

3. In section 2.15 of Appendix A "Statement of Requirements" of the RFP, with respect to the different work for installing the solution that will be done an electrical contractor, is it possible to send us a list of contractors who are already skilled and qualified for those buildings, as well as their contact information?
   Answer: No.

4. We ask that you please consider our request to postpone the submission of bids by 2 weeks.
   Answer: No.

5. Digicon (Ainsworth) has indicated that they should not share information with us about the BAS for the buildings they have in Halifax. In order to price a connection to the Pinpoint system, we will require more information about the software and protocols, and possible connection methods. This information does not seem to be publicly available. Can you please gather and share this information with us?
   Answer: Additional information was provided in addendum #1, appendix D.

6. Is this project for BAS data extraction and reporting only or does it require system control on the legacy systems?
   Answer: Refer to the RFP, appendix A section 2.6.1.E.

7. We are based in Ontario Canada but we have completed projects in Alberta, Nova Scotia, Newfoundland and Labrador besides Ontario. Would you be open to working with an Ontario based company is this project open to all bidders?
   Answer: Provided all RFP and addenda requirements are met. Refer to the RFP.
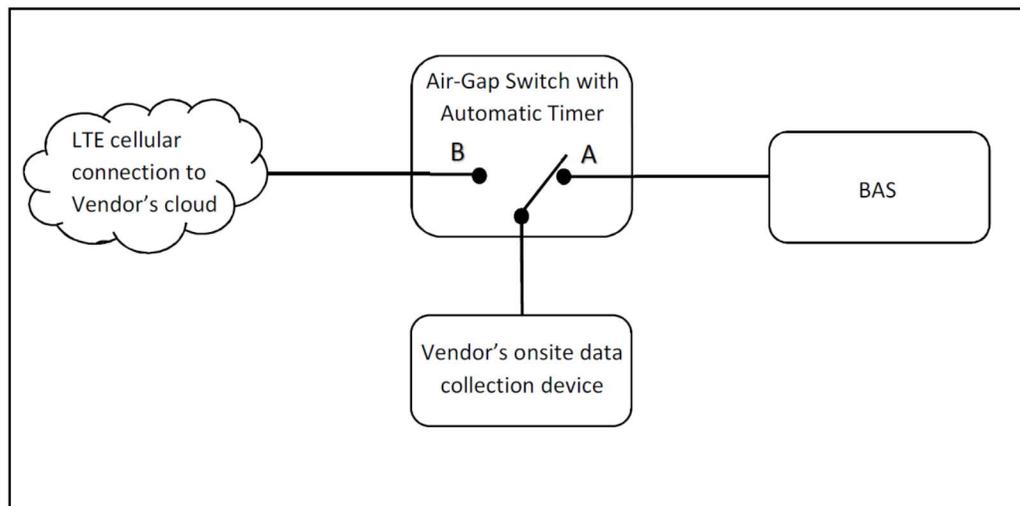
8. Do you have a budget on this project?
   Answer: Yes.

9. Can the project be executed remotely with the option to be available on site as and when required?
   Answer: The RFP indicates instances for mandatory site work and does not prohibit performing some work remotely. The Bidder must clearly describe their approach for installation, on-going service and maintenance in their responses to item "2. Mandatory Requirements" and item "3. Rated Requirements".

E. The Bidder must submit a cybersecurity plan with their bid detailing their cybersecurity plan, protocols, hardware, data flow, etc. The Contractor must ensure that their system is fully secured at all times and that it does not negatively affect DND infrastructure in anyway.

F. Communications protocols must be secured (ie, use of SSL)

② G. The Bidder's cybersecurity design must include an air-gap switching system to ensure the Contractor's onsite hardware is never connected to the BAS at the same time it is connected to the Contractor's cloud server.

    a. <u>Air-Gap Switching System Requirements</u>:

    Layer-1 A/B network switch specifically designed to switch a device connection between two networks, with support for CAT6 up to 10 Gbps Ethernet. The relay mechanism must be mechanically actuated and operate at the physical layer, meaning the two ports A/B are always physically isolated. Network switching must be done through a timer device (integrated or external to the air-gap switching system) to allow periodic data transfer to the Contractor's cloud server.

    b. <u>Air-Gap Switching System Diagram</u>:

H. The Contractor must never remotely connect to the BAS. The Contractors solution must not have the capability to remotely connect to the BAS at any time. At all times, the Contractor's solution must be locked to only allow outbound data-flow. Any system health-checks and upgrades must be completed onsite by the Contractor, twice per year.

2.14 Ownership and Retention of Collected Data (response limited to one (1) page maximum for this section)

All data collected from DND buildings remains DND's property.

The bidder must retain all data collected from DND buildings for the length of the contract and make the data available to NRC and DND at the end of the contract in an electronic (machine readable) form, including a complete description of the collected data.

② Issued for addendum no.02