



**DEPARTMENT OF THE AIR FORCE  
102D INTELLIGENCE WING (ACC)  
MASSACHUSETTS AIR NATIONAL GUARD  
OTIS AIR NATIONAL GUARD BASE**

## Request for Proposal

### Install Server and Control Software

#### 1.0 General Information

Category	Detail
Project Title	Install Server and Control Software
Location	102d Intelligence Wing, Otis ANGB, Buzzards Bay, MA 02542
Point of Contact (POC)	Major Vincent J. Tripodi
Phone Number	508-968-4238
Email Address	<a href="mailto:vincent.tripodi.1@us.af.mil">vincent.tripodi.1@us.af.mil</a>
Site Visit	A site visit is required. Detailed information regarding the date and time will be posted on the official solicitation.

#### 2.0 Scope of Work

##### *2.1 Site Assessment and Server Installation*

The contractor shall examine the designated installation location for the server. The contractor is responsible for providing all required material, labor, equipment, and any other items necessary to ensure a fully usable and operational server environment.

##### *2.2 Software Procurement and Configuration*

Once the server is installed and running, the contractor shall procure, install, and configure the latest version of Niagara HVAC Controls software on the server. The contractor must ensure the software is fully functional and readable on the Government-furnished head-end computers.

Building	Location	Room Description	Quantity
B158	HVAC Office	Primary Operator Station	1
B168	Mechanical Room	Field Monitoring Station	1
Total			2

### 2.3 HVAC Panel Examination and Installation

The contractor shall conduct a physical examination of Buildings 104, 162, 165, 168, and 169 to determine if new Niagara panels are required. If it is determined that new panels are required, the contractor shall purchase and install them.

### 2.4 System Integration and Testing

Following panel installation, the contractor shall verify and ensure that 100% of the HVAC controls in the respective facilities are connected to the panel. The contractor must validate that the Direct Digital Control (DDC) system is actively reading all components and achieving 100% operational functionality.

**IMPORTANT NOTE: See the attachment labelled “AFCEC Guidance for System Integration”. These requirements must be 100% adhered to prior to project completion.**

## 3.0 Applicable Standards and Codes

All work performed under this contract must strictly comply with the following codes and guidance.

Standard / Code	Description	Precedence
UFC 1-200-01	DoD Building Code (accessible via <a href="https://www.wbdg.org/">https://www.wbdg.org/</a> ) and all referenced UFC guidance.	Primary (Takes precedence over State/Federal codes)
Federal & State Codes	National Electrical Code (NEC), National Fire Protection Association (NFPA), and other applicable local regulations.	Secondary

#### 4.0 Government Furnished Equipment (GFE)

The Government will furnish the head-end computers and the primary server. The salient features of the Government-furnished server are detailed below for the contractor's situational awareness during installation planning.

Component	Minimum Specification	Recommended Specification
Form Factor	1U or 2U Rackmount Server	2U Rackmount Server (better cooling/expansion)
Processor (CPU)	1x Intel® Xeon® Silver 4514Y (16 Cores, 2.0 GHz)	2x Intel® Xeon® Silver 4514Y (Total 32 Cores)
Memory (RAM)	64 GB DDR5 ECC RDIMM	128 GB DDR5 ECC RDIMM
System Boot Drive	2x 240GB M.2 SATA/NVMe SSDs (RAID 1 - Mirror)	Dell BOSS-N1 (RAID 1) with 2x 480GB NVMe M.2
Application & DB Storage	2x 960GB Enterprise SAS SSDs (RAID 1)	4x 1.92TB Enterprise SAS/SATA SSDs (RAID 10)
Hardware RAID Controller	Dedicated Hardware RAID (e.g., PERC H755 / H965i)	Dedicated Hardware RAID with Cache & Battery Backup
Power Supply	Dual, Redundant Hot-Plug PSUs (e.g., 800W+)	Dual, Redundant Hot-Plug PSUs (Titanium Rated)
Network Interfaces (NIC)	4x 1GbE Base-T Ports	2x 10GbE SFP+ Ports + 4x 1GbE Base-T Ports

#### 5.0 Submittals and Deliverables

The contractor is required to provide the following documentation to the Government:

Deliverable Type	Description
Pre-Ordering Submittals	Required prior to the procurement of any hardware.
Product Data Submittals	Cut sheets and technical specifications for all proposed hardware and software.
Manuals	Comprehensive Operations & Maintenance (O&M) manuals.
Instruction Books	Software instructional guides for the Niagara HVAC Controls system.

## **6.0 Proposal Submission Requirements**

When submitting a proposal, the contractor must explicitly break out the pricing structure for each individual facility (B104, B158, B162, B165, B168, and B169) to allow for independent assessment and accounting by the Government.

## **7.0 Approving Authority**

Questions regarding this RFP may be directed towards the undersigned by email at [vincent.tripodi.1@us.af.mil](mailto:vincent.tripodi.1@us.af.mil), or by telephone at 508-968-4238.