

From: Stephanie McBride

To: Nimesh Sangani

Date: July 01, 2020

Subject: Additional Information Request

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Message:

Applicant: Northern Defense Industries LLC - Request for Permanent License

File Number: 0550-EX-CN-2020

Correspondence Reference Number: 56044

Date of Original Email: 07/01/2020

Current Call Sign- WP9XWU

Current File Number- 2269-EX-ST-2019

Purpose Of Operation:

NDI will be manufacturing X-Band radars at our Stevensville, MD facility. In order to test the finished products, NDI is requesting a Permanent License be assigned. NDI has become a permanent site for manufacturing these radars.

NDI will act as a contractor to assist DHS in the below:

Background-

The Department of Homeland Security (DHS) has comprehensive multi-year plans to secure America's borders. The Federal Aviation Administration Logistics Center (FAALC) has been designated by the DHS as the Servicing Agency and independent Government entity with primary inventory control point activity responsibility (with depot-level authority) throughout the life-cycle of many of DHS's border security programs.

The FAALC will provide engineering, technical, and logistics services to support DHS in the areas of Integrated Logistics Support (ILS), management consulting, primary inventory control point, provisioning, and repair of U.S. Customs and Border Protection (CBP) equipment.

The FAALC has been requested by the U.S. Border Patrol (USBP), Program Management Office Directorate (PMOD), to establish a Relocatable Surveillance System & Maritime (RSS-M). The RSS-M will be part of the Technology Demonstration for the California Coastal Surveillance (CCS) technology demonstration.

In the CCS project, there is initially a planned deployment of several RSS-M in the San Diego Sector. The CCS project is a technology demonstration to determine the performance and effectiveness of an integrated, land based RSS-M against a quickly evolving maritime threat, and to explore various aspects of technology in meeting the requirement. The specific Area of Interest (AOI) for this demonstration is the California Coastal Region.

The demonstration will deploy up to four RSS-Ms, to be distributed among the available sites and relocated as needed. The CCS will be deployed along the California coast in the USBP San Diego Sector, from San Diego as far north as San Francisco.

The CCS system will employ RSS-M relocatable towers, which will be connected to the OneNet or FirstNet using long-term evolution (LTE) cellular, satellite communications, and/or direct internet connections. Alternative energy will be used to power the RSS-M for 30 days of continuous operations when not connected to grid power.

RSS-M is envisioned to be equipped with a Global Positioning System (GPS) location monitoring system. All CCS cameras, routers, switches, power systems, and communications systems will be monitored and resettable by a Network Operations Center/Security Operations Center (NOC/SOC).

Objectives-

The objective of this technology demonstration is to assess the capabilities (e.g. effective range, detection performance, camera performance, and multimodal communications) of today's technologies, in the varied and challenging topography of the California Coastal Region. Rather than

deploy fixed surveillance towers, this technology demonstration is meant to assess the ability to relocate systems to respond to shifting threats.

The vendor must deliver an initial, fully integrated and tested RSS-M prototype. This prototype will be deployed and evaluated before additional RSS-M systems are requested for purchase. For the RSS-M prototype, the integration and testing will be across the infrastructure (trailer and tower), sensor suit, communication, data products, command and control (C2) integration, local maintenance console, power, and security sub-systems.