

Exhibit 1

1. Introduction

By the instant application (“Application”), BAE Systems Information and Electronic Systems Integration Inc. (“BAE Systems”) requests that the Commission grant Special Temporary Authority (“STA”) to permit BAE Systems to operate the facilities (the “Facilities”) specified in the instant Application.

2. Purpose of the Operation

BAE Systems manufactures and tests RF systems, from the transmit antenna performance to the entire system as a whole for DOD as well as other governmental customers. The testing specified in this Application will be conducted by BAE Systems Information and Electronic Systems Integration Inc., which is a major producer of electronic warfare systems, protection systems, and tactical surveillance and intelligence systems for all branches of the armed forces. This unit’s lines of business include Electronic Warfare/Electronic Protection, Electronic Warfare/Information Warfare, Integrated Defense Solutions, and Mission Electronics.

The purpose of this testing will be to detect moving personnel in a large field of devices. This supports the Adaptable Sensor System (ADAPT) program which is attempting to show that commercial development and manufacturing techniques can produce military quality products at lower cost and schedule than traditional military development. The demonstration will utilize the radar and other sensors in a large unattended ground sensor (UGS) field which may ultimately lead to a means for the US to support the Ottawa Convention to ban anti-personnel landmines with alternative techniques.

The radar will transmit alternating frequencies which provides determination of accurate range from the reflections from moving personnel. This is known as two-frequency CW radar. The two frequencies generate a difference in phase between the Doppler of the reflections and this phase difference corresponds to range.

The contract information relevant to this experiment is as follows:

AGENCY: Defense Advanced Research Projects Agency (DARPA)

CONTRACT NO.: HR0011-12-C-0100

POC: Mark Rich, (571) 218-4381

3. Minimum Frequency Requirements

BAE Systems notes that although it has requested two bands (5.725-5.875 GHz and 5.25-5.46 GHz) the company requires operational authority only on 5 MHz of continuous spectrum.

4. Prevention of Interference

BAE Systems hereby advises the Commission that the tests to be conducted under the requested Commission authorization are to be conducted near the center of BAE Systems' Merrimack, New Hampshire facilities. Such location will result in the separation of the test facilities from other existing transmit or receive facilities.

Stop Buzzers:

Primary: Eric Rundquist – (603) 809-8960

BAE Systems Emergency Services Center - (603) 885-3842