

DESCRIPTION OF OPERATIONS

1. Introduction

By the instant application (“Application”), BAE Systems Information and Electronic Systems Integration Inc. (“BAE Systems”) requests that the Commission grant a two year experimental license to permit BAE Systems to operate the facilities (the “Facilities”) specified in the instant Form 442.

2. Purpose and Nature of the Operation

BAE Systems manufactures and test various antennas and communications systems for numerous classified customers. The Facilities for which BAE Systems seeks authority to operate pursuant to this application are to be operated at BAE Systems’ facilities at Pope Technical Park in Hudson, New Hampshire as part of BAE Systems’ internal research and development of its First InterComm™ system, website; www.FirstInterComm.com and email address; firstintercomm.eis@baesystems.com.

First InterComm is a scalable “system of systems” by which public safety across disciplines and jurisdictions will be fully interoperable. It will provide our nation’s First Responders with situational awareness through communications interoperability and integration of real time sensor data and decision aides from fusion of sensor and knowledge databases. The communications operability of emergency fire responders falls far short of the DHS position that responders must have the ability “to share information via voice and data signals on demand, in real time, when needed, and as authorized.” The testing at the Facilities is a critical part of the manufacture and delivery of communications systems provided to our country’s First Responders in support of their efforts to deal effectively with emergency situations. In discussions with first responders across the US and with the Department of Commerce we have been asked specifically to provide a solution that operates over this frequency band.

The facilities specified in this Application will provide the ability for First InterComm antennas to relay communications to and from mobile and portable units operating on a variety of frequencies, in support of homeland security goals. The nature of the First InterComm program requires that BAE Systems demonstrate substantial operational and technical flexibility by receiving communications on a variety of frequencies in a variety of frequency bands, and then relaying the same communications on a variety of different frequencies in different frequency bands. Tests will be performed at and around the BAE Systems facility with several mobile and portable devices communicating with the First InterComm system. Initial testing of the system under STA has demonstrated the feasibility of this system, therefore resulting in the need for additional testing as described in this Application. In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth in the application form.

3. Stop Buzzer

BAE Systems hereby advises that William Delaney will be available by telephone at 603-885-5282 and will act as a “stop buzzer” if any issues regarding interference arise during testing.

For the foregoing reasons, approval of this Application is in the public interest, convenience and necessity.