

ANTENNAS #4 and #5
(For Facilities Previously Submitted Under File No. 0029-EX-ST-2007)

The following information is provided with respect to the operations proposed under Antennas #4 (Fixed) and #5 (5 km Radius Around 42-42-17 N.Lat.; 071-25-54 W.Long.) (Hudson, NH):

1. Nature of the Operation

These facilities 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, which 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 of 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. The facilities specified in this STA Request 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.

It is noted that the facilities and frequencies specified for these Antennas overlap with prior grants to BAE Systems under File Numbers 0648-EX-ST-2004, 0484-EX-ST-2004, and 0449-EX-ST-2004.

The First InterComm points of contact (POC) for any questions are identified below:

Contracts

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2. Transmitting Equipment

Manufacturer	Model	Quantity	Experimental
EF Johnson	5186	2	No
Icom Inc.	IC-F70DT	2	No
Icom Inc.	IC-F3GT	2	No
Kenwood Corporation	TK-480	2	No
Kenwood Corporation	TK-5400	1	No
Kenwood Corporation	TK-481	1	No
Kenwood Corporation	TK-3180K2	1	No
Kenwood Corporation	2180K	1	No
Kenwood Corporation	TK-5210K1	1	No
Kenwood Corporation	TK-280	1	No
Vertex Standard	VX-520UN	2	No
Vertex Standard	VX-537U	1	No
Vertex Standard	VX-510V	1	No