

Description of Request

By the instant application (“Application for Permanent Authority”), BAE SYSTEMS Information and Electronic Systems Integration Inc. (“BAE SYSTEMS”) requests that the Commission grant an experimental license for the facilities (the “Facilities”) specified in the instant FCC Form 442.

Pursuant to File No. 0449-EX-ST-2004 (the “STA Request”), the Commission granted Special Temporary Authority (“STA”) under Call Sign WB9XYR to BAE SYSTEMS to operate the subject Facilities through January 31, 2005.¹ Accordingly, BAE SYSTEMS hereby requests grant of the instant Application for Permanent Authority so that BAE SYSTEMS can operate the Facilities under a full experimental license.

BAE SYSTEMS manufactures and tests various antennas and communications systems for numerous classified customers. The Facilities for which BAE SYSTEMS seeks authority to operate pursuant to this Application for Permanent Authority are to be operated at BAE SYSTEMS’ facilities at Pope Technical Park in Hudson, New Hampshire as part of BAE SYSTEMS’ performance of its obligations under a military contract, namely the Adaptive Joint C4ISR Node Advanced Concept Technology Demonstration (“AJCN”). The AJCN program is intended to integrate communications, communications signals intelligence and electronic attack information operations into a single system. The nature of the AJCN 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. Such system will be coordinated with state and local public safety entities, as well as homeland defense agencies. The testing of the Facilities is a critical part of the manufacture and delivery of military systems provided to the Armed Forces in support of Homeland Security as well as war efforts. It is noted that, although after delivery of the system to the military customer the customer ultimately intends to operate the AJCN system by transmitting and retransmitting on frequencies that are coordinated with various state and local public safety entities, as well as homeland defense agencies, BAE SYSTEMS will utilize only FCC-authorized frequencies for its AJCN transmission and retransmission testing and demonstration activities at Pope Technical Park.

The Facilities specified in this Application for Permanent Authority provide the ability for Private Land Mobile Radio Service (“PLMRS”) and public safety radios that are operating in different frequency bands to interoperate. Tests will be performed at and around the BAE

¹ It is noted that the instant Application for Permanent Authority contains the same Facilities as those that were granted in the STA under call sign WB9XYR except as follows: (i) certain emissions designators have been removed, added or modified; (ii) certain frequencies have been deleted because it has been determined that the subject radios did not have the capability to operate on such frequencies; (iii) the frequency 854 MHz, which was granted in the STA, is not included in the instant Application for Permanent Authority because it was erroneously included in the STA Request – the new frequency 854.8375 MHz has been added to replace the erroneous 854 MHz; and (iv) the model number of the Vertex radio at Antenna 4 herein has been changed to VX-530U, and the model number of the Kenwood radio at Antenna 6 herein has been changed to TK-280.

SYSTEMS facility with several mobile devices communicating with the AJCN system. The subscriber devices (mobile and portable radios) are unmodified off-the-shelf radios from commercial vendors.

The AJCN OTA number and point of contact (POC) for the relevant military contract is as follows:

OTA # MDA972-00-9-0009

Contracts	Technical
Mr. Charles Ade CECOM Acquisition Center AMSEL-AC-CC-RT-S Building 1208, First Floor Fort Monmouth, NJ 07703-5008 (732) 427-1334	US Army CERDEC ATTN: AMSRD-CER-ST-SP (Edward Kierman) Myer Center, Bldg 2700 Fort Monmouth, NJ 07703 (732) 427-0148

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