

Statement of Purpose

Rockwell Collins, Inc. respectfully submits the following statement of purpose pursuant to 47 C.F.R. § 5.63.

Rockwell Collins seeks a modification to an existing experimental license, call sign WE2XXP, in order to add a new facility to the experiment. The new facility is located two miles from the Melbourne, Florida, main campus. As noted in the application for WE2XXP, Rockwell Collins is developing the next generation of ATM (Air Traffic Management) hardware and software. This portion of the ATM system is a standard Mode S transponder transmitting on the 1090 MHz band with ADS-B (Automatic Dependent Surveillance – Broadcast) functionality added. During development ground testing must be performed to validate the system. The original statement of purpose for WE2XXP is attached for reference. Adding the facility at the location identified in the modification application will facilitate existing experimentation capabilities by allowing additional development, testing, and qualification concurrent with the experiments on the main campus.

The Federal Aviation Administration has consented to the addition of the new facility for Rockwell Collins' experiments, has and has provided the following coordination record:

Location 1: NG T110098

Location 2: NG T110154

The FAA contact for this modification, Mr. Hanley Yu, can be reached at hanley.yu@faa.gov or (718) 553-4832.