

Exhibit 1: Statement of Research Project

Rockwell Collins Inc. respectfully submits the following statement of research project pursuant to 47 C.F.R. § 5.63. Rockwell Collins is currently conducting experiments to define waveforms for high speed data over HF. Specifically, Rockwell Collins seeks to test new waveforms over the air to characterize performance and actual wideband HF channel propagation characteristics. Rockwell Collins is a member of the Technical Advisory Committee for MIL-STD-188-110C and MIL-STD-188-141C standards revisions and new standard definitions. The experimental authorization requested by Rockwell Collins will enable verification of performance and interoperability metrics as set forth within the standards.

The FCC Office of Engineering and Technology has already recognized the value of such experiments, previously granting Rockwell Collins Special Temporary Authority to obtain preliminary performance data on revisions to MIL-STD-188-110B and MIL-STD-188-141B. *See, e.g.*, Special Temporary Authority authorization Call Sign WE9XAA. Rockwell seeks an additional authorization to enable it to expand its research to support the technology maturation process for the above-referenced standards. Rockwell Collins anticipates that the process will require a few years of experimental testing to optimize a lasting standard, and will include collaboration between industry (obtaining experimental licenses from the FCC) and the U.S. military.