EXHIBIT: Statement of Government Agency Contract Information and Explanation of Technical Characteristics of Proposed Tests

The proposed Special Temporary Authority Experimental Authorization is being requested pursuant to a contract issued by SPAWARSYSCEN SD 28502, contract no. N66001-00-D-5065, Task Order 0025: "Space and Naval Warfare (SPAWAR) Systems Center, San Diego (SSC-SD), Code 2736, has been tasked by the United States Special Operations Command (USSOCOM) to support their requirements to modernize and transform psychological operation (PSYOP) equipment through research, development, test and evaluation efforts. This task is specifically directed toward the RDT&E of new alternatives for Amplitude Modulation (AM) broadcast antennas and antenna tuning units (ATUs)."

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The tests proposed will consist of operation of existing military and commercial rapid deployment antenna systems and the associated antenna matching and transmitting equipment. Tests with transmitter power of 10 kW will be performed to allow characterization of voltage and current handling capability of equipment, and will be conducted during the experimental period (12 midnight until LSR). Modulation frequencies will be limited to 5 kHz or less.

Tests to allow antenna efficiency determination from close-in magnetic field strength measurements will be conducted with no modulation and 100 watts to 1000 watts, depending upon frequency and selection of final location for the project. All these tests will be conducted during daytime hours (LSR to LSS) to avoid creating skywave interference and to minimize incoming interference to the test procedures. No modulation will used, minimizing any significant possibility of interference on other than the selected carrier and +/-10kHz frequencies, and therefore the attached allocation studies do not extend beyond the first adjacent channels. Only operating U.S. and Mexican stations have been included in the studies, since the operation proposed is only temporary.

The "peak" and "average" power values shown in the application reflect these carrier conditions: 1 kW or less for the daytime tests, shown as "average" power and 10 kW for the experimental period tests, shown as "peak" power. Strictly speaking, the "peak" power of a 100% modulated AM waveform is 4 X the carrier power, and the "average" power of such a modulated signal is 1.5 X the carrier power, but the Form 442 question is believed to be relevant to digital modulation techniques, whose peak to carrier ratio varies from one type to another.

The antenna type described in the application has the military designation STM-AMAB-10K. It is the tallest and has the highest inverse distance field (efficiency) for a given input power of the various military and other antennas proposed to be used for the test program. Therefore the airspace analysis and potential interference analysis exhibits have been prepared using this antenna.