

1. Introduction

By the instant application, Science Applications International Corporation (SAIC) requests that the Commission grant Special Temporary Authority (STA) to operate the facilities specified in the instant application.

2. Purpose of the Operation

The testing conducted by SAIC 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.

Operation is for CAC2S Small Forms Factor based at NSWC Crane with SAIC for the use of the Mobile User Objective System (MUOS) to support transmission for the system.

Agency: NSWC Crane
Contract Number: N0016420F3016
Government POC: Anthony Todaro 812-854-5620 Work 812-296-8126 Cell

3. Station ID Waiver

A waiver of the Station ID requirements of 47 CFR §5.115(a) is respectfully requested.

4. Directionality/Orientation

The following information is provided with respect to the directional antennas to be used:

Antenna	Beamwidth at Half-Power Point	Orientation in Horizontal Plane	Orientation in Vertical Plane
RF-3081-AT001	SATCOM Antenna	~270 – 280 degrees	>60 degrees above ground

5. Interference Mitigation

SAIC is well aware of its obligations under Part 5 of the Commission's rules to avoid interference to co-channel licensees in non-experimental services, and will take all steps to ensure compliance with this obligation. In addition, the following factors will help mitigate any interference issues:

- Generally during testing, emission will be limited to short periods of less than 10 minutes, and only periodically with an overall duty cycle of less than 10% during tests. These typical test conditions will represent 90% or more of the testing done under this license.
- Outdoor testing will not be frequent. Testing will be sporadically planned and executed throughout the course of this license, typically for one to three days at a time at an expected frequency of a few times a month. Testing will typically only occur between the hours of 8AM and 6PM EST on week days.
- Outdoor testing will not be continuous. Emissions will be active for short durations no longer than 10 minutes at a time (maximum) with an average on-time more on the order of 1 minute. During a test, emissions will be activated for these durations periodically with several minutes between emissions at a minimum, if not longer. Overall, during a full day of testing the expected total time spent emitting would be on the order of 30 to 60 minutes on average.

5. Stop Buzzer

The following will be available by wireless telephone and will act as the "stop buzzer" if any issues arise during testing:

PRIMARY:	Kathleen Hammett - (812) 381-3558
SECONDARY:	Carl Kerns - (812) 585-0275