Exhibit 1

1. Introduction

By the instant application ("Application"), Leidos, Inc. ("Leidos") requests that the Commission grant a 2 year conventional experimental license to operate the facilities (the "Facilities") specified in the instant application.

2. Purpose of the Operation

The testing conducted by Leidos 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. Leidos will briefly conduct tests to verify capabilities of an upgrade to our antenna control units in order to allow our aerial satellite communications system to track a inclined satellite with an inclined orbit.

These operations will be in support of the following granted contract:

Agency: US Army

Contract Number: W15P7T-17-D-0103

Delivery Order/Tasking No: W56KGY19F0074

Contracting Officer's Representative (COR):

Phillip Wadsworth

PM SAI, 6580 Surveillance Loop

APG, MD 21005 Phone: 443-861-1939

Email: Phillip.d.wadsworth.civ@mail.mil

This application seeks approval to continue operations previously authorized under STA (WR9XXX) – but with the removal of the ground-based operations, leaving only the airborne operations.

Airborne operations will occur as follows:

- Mobile airborne operations with the furthest waypoints lying on a radius of 10 km from the specified centerpoint coordinates. The maximum flight ceiling planned is 5,500 meters above ground level (AGL). Ground elevation above sea level at the center point coordinates is 360 m at this location. The nearest airport to the center point coordinates is 14.80 km from the center point coordinates.

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

3. Transmitting Equipment/Directionality/Orientation

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

Antenna	Manufacturer	Model	Beamwidth	Orientation in	Orientation in
		No.	at Half-	Horizontal	Vertical Plane
			Power Point	Plane	
Honeywell			0.65 °	Varies	23°
.4m Aerial	Honeywell	N/A		(SatCom on the Move)	
Antenna				wiove)	

4. Interference Mitigation

Leidos 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:

If Leidos is not including ground-based transmissions, how should the language below be edited?

- Most testing will be limited to ground-based operation with the emitting antenna generally located no higher than 10 feet from the ground and the elevation of the main beam not exceeding +10 degrees elevation.
- 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 several times a month. Testing will typically only occur between the hours of 8AM and 6PM EST on weekdays.
- Outdoor testing will not be continuous. Emissions will be active for short durations no longer than 60 minutes at a time (maximum) with an average ontime more on the order of 10 minutes. 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 60 to 120 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: David M. West - (423) 836-8325 SECONDARY: Clarence Simpson - (540) 831-0261