

## **Exhibit I**

1. Name and address of applicant: Lockheed Martin Corporation  
Attn: John S. Hickey  
P. O. Box 4906  
Baltimore, MD 21220-0906
2. Description of need: Immediate needs to conduct FOB WDM technology demonstrations and development for fiber optics bus on airborne platforms.
3. Type of operation to be conducted: Ground-to-air and air-to-ground transmissions of radio signals from airborne and ground stations using selected frequencies.
4. Explanation of how facilities will be used: Radio transmission of RF carrier modulated with voice and video from a fixed ground location and from an airborne platform will be conducted to establish two way communications with aircraft flying a 175 statute mile radius of the ground station at our facilities located near Marietta, Cobb County, GA. This is intended to test the fiber optics links associated with the communications systems.
5. Times and dates of operations: Testing is currently scheduled to begin at the earliest possible time, beginning on or about 26<sup>th</sup> day of July, and is to continue during daylight hours on a normal work schedule with transmissions 20% of the time for a period of two years. (Due to the short notice of the tests to begin, we are requesting an STA at this time to facilitate the beginning of operations. We will be filing a request for a regular Experimental Authorization prior to the end of the initial six months.)
6. Class of Station and Radio Service: Ground/Mobile station in the Experimental Radio Services.
7. Location of transmitters: 1.) Land Site: Lockheed Martin Aeronautical Systems Company, Marietta, Cobb County, GA; U.S. Air Force Plant Six; 33° 54' 40" N. latitude, 084° 31' 03" W. Longitude. 2.) Mobile site airborne to 175 statute mile radius of ground land site.
8. Number of fixed transmitters and mobile units: One fixed ground transmitter and one airborne transmitter communicating between single flying aircraft within 175 statute mile radius of the ground transmitter site.
9. Operating Frequencies: 913 Mhz
10. Output power of transmitter: 20 watts
11. Proposed type of emissions: F3W – 17M5F3W
12. Description of antenna: Quarter wave vertical blade
13. Business or activity of applicant: Applicant is a manufacturer of aircraft and other aerospace products.
14. Equipment Mfg. And type: Dell-Star Technologies, Inc. Model number DSX-920.