

I. Introduction

By the instant application (“Application”), Dynetics, Inc. (“Dynetics”) requests that the Commission grant a 2 year conventional experimental license to permit Dynetics to operate the Facilities specified in the instant application.

II. Purpose and Nature of the Operation

Dynetics, headquartered in Huntsville, Alabama, delivers high-quality, high-value engineering, scientific, and information technology (IT) solutions to customers within the U.S. government and a range of other market segments. Dynetics provides complete lifecycle analysis, engineering, and hardware, to support customer missions.

Upon grant, the license would authorize (i) an extension of certain airborne operations previously authorized under STA (WO9XXS) for the locations at Yuma Proving Grounds, Dugway Proving Grounds, and Twentynine Palms; (ii) a modification of the coordinates for the White Sands Missile Range location previously authorized under STA (WO9XXS); and (iii) a new location at Eglin Air Force base. The license is requested in support of the following DARPA Mobile Force Protection contract, for operation of Fortem low weight, low power prototype radar for counter UAS:

Agency: DARPA Mobile Force Protection (MFP)

Contract No. : HR0011-17-9-0017

Government POC: Greg Avicola (PM)/ (703) 526-2024 gregory.avicola@darpa.mil

David Worden (Test Lead)/571-218-4975 david.worden.ctr@darpa.mil

Waiver of the Station ID rules set forth at Section 5.115 is respectfully requested.

The mobile airborne stations will be used for transmission of the airborne-only Fortem radar and will be operated at and around the locations specified in the application. When operating at the locations specified in the application, operations will be coordinated with the local authorities. The maximum altitude of the airborne station for the various locations will be as stated in the application.

The radar will not be used for Detect and Avoid (DAA) or other aeronautical radionavigation functions. Operations will not be simultaneous at all locations specified in the application. A single team will deploy to and set up operations at only one location at a time.

III. Interference Mitigation

Dynetics 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. Accordingly, this is to confirm that Dynetics stands ready to work with the FAA and other stakeholders to identify any reasonably necessary restrictions for the system.

IV. Stop Buzzer

Dynetics advises that the following will be available by wireless telephone and will act as “stop buzzers” if any issues regarding interference arise during testing:

Primary: Baron Johnson; Mobile: (352) 339-5272

Secondary: Steve Norris; Mobile: (256) 585-7885