

**I. Introduction**

By the instant application (“Application”), Dynetics, Inc. (“Dynetics”) requests that the Commission grant Special Temporary Authority (“STA”) to permit Dynetics to operate the facilities (the “Facilities”) specified in the instant application from August 15, 2019-February 15, 2020.

**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.

An experimental STA 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: Jean-Charles (JC) Lede  
Tel: 703-526-2844 ; jc.lede@darpa.mil

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

**III. Airborne Transmissions**

The mobile airborne stations will be used for transmission of the airborne-only Fortem radar and will 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 antenna height information specified on the Form relates to the following parameters for each location:

- (a) Overall height above ground to tip of antenna in meters:

The value inserted for this item for each location refers to the maximum flight ceiling for the airborne operations, in meters

- (b) Elevation of ground at antenna site above mean sea level in meters:

The value inserted for this item for each location refers to the ground elevation at the specified centerpoint coordinates for the airborne operations, in meters

- (c) Distance to nearest aircraft landing area in kilometers:

The value inserted for this item for each location refers to the distance from the specified centerpoint coordinates for the airborne operations, in kilometers

**IV. 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.

**V. 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