Public Exhibit 1

Public Interest Statement

1. Introduction

By the instant application ("Application"), Dynetics, Inc. ("Dynetics") requests the Commission grant a 6-Month Experimental Special Temporary Authorization (STA) to permit Dynetics to operate the facilities ("Facilities") specified in the instant application.

Assignment of the call sign WR9XDN is requested, as this STA Request is a similar experiment to that previously authorized under WR9XDN (1317-EX-ST-2020), but under a new location. Assignment of the same call sign, if permitted by the Commission, will assist Dynetics from a record-keeping standpoint.

2. 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 US government and a range of other market segments. Dynetics, a Leidos company, is an engineering solutions provider for the defense, aerospace, and commercial industries since 1974.

As a general matter, this experimental license is requested to demonstrate, the subject technology to prospective purchasers (See 47 CFR 5.3(g)). Additional confidential information regarding the purpose and nature of the experiment is contained at Confidential Exhibit 3. Waiver of the station ID rules set forth in Section 5.115(a) is respectively requested.

A "No" reply has been inserted with respect to the question "Is a direction antenna (other than radar) used?" because the transmitter is a radar device. For the purposes of full disclosure, however, the following additional directionality information is provided:

Width of beam in degrees at the half power point: Azimuth: 6 deg Elevation: 6 deg

Orientation in horizontal plane: Any orientation relative to North; software controlled via antenna positioner. If required for interference mitigation or for other reasons, sector blanking is possible through software.

Orientation in vertical plane: Any position from -15 to +15 degrees relative level to horizon.

3. 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. With respect to interference mitigation, Dynetics understands that FAA (or other stakeholders) may require certain limited azimuth and/or elevation orientations in order to ensure that the proposed Facilities do not pose a threat of

interference to adjacent emitters. Accordingly, this is to confirm that Dynetics stands ready to work with FAA to identify any reasonably necessary restrictions for the system.
Dynetics will also coordinate with the local airport authority before operating the radar at the airport cited in the application.

4. <u>Stop Buzzer</u>

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: Mike Stokes (256-682-0342)
Secondary: Joel Simoneau (256-744-4514)

For the foregoing reasons, Dynetics respectfully submits that approval of this Application is in the public interest, convenience, and necessity.