

Required Supplemental Information

The following additional information is provided pursuant to the Office of Engineering and Technology's Public Notice, "Guidance on Obtaining Experimental Authorizations for Commercial Space Launch Activities," DA: 13-446 (OET, released March 15, 2013):

a. Technical information including frequency, power, emission, latitude and longitude coordinates of the launch site or test operations.

See foregoing STA Form for technical parameters. For telemetry transmission, two S-band antennas are used, mounted 180° apart on a 200 inch diameter, to achieve nearly spherical coverage. Coordinates for SLC-3 launch site are latitude 34° 38' 24.5687" North; longitude 120° 35' 22.3933" West.

b. An overview of the proposed launch or testing including, if appropriate, identifying the launch facility and the overall mission.

See "Purpose of Operation" on Main STA Form.

c. The anticipated orbital parameters or range of orbital parameters (altitude, inclination) in which the launch vehicle or related spacecraft will operate.

A spreadsheet that contains the orbital parameters at major events in the mission based on the FMA trajectory is posted on iDM at the following link:
<http://idm.ulalaunch.com/livelink/livelink.exe/open/15311773>

d. A 24-hour contact for interference issues.

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e. If the applicant is also requesting authorization to operate an earth station to communicate with the launch vehicle or spacecraft, it should provide the frequency, power, emission, latitude and longitude coordinates for the earth station. If the applicant is planning to communicate with an earth station operated by another company, the United States government, or one located outside the United States, its territories and possessions, the applicant should include technical parameters of the earth station in an exhibit to the application for reference purposes only.

The following cooperating ground and space stations, operated by Federal Government entities, will be used for reception of launch vehicle telemetry data:

Vandenberg Telemetry Receiving Station (VTRS) - Vandenberg AFB, Lompoc, CA

Air Force Satellite Control Network (AFSCN):

Vandenberg Tracking Station (VTS) – Vandenberg, AFB
Diego Garcia Station (DGS) – Diego Garcia, British Indian Ocean Territories
Oakhangar England Station (TCS) – RAF Oakhangar, England

NASA TDRSS Network:

TDRS Atlantic Ocean Region (AOR)