

NanoSatisfi: Lemur-2 Fleet Application Information Related to NTIA Coordination

PLEASE SUBMIT THE FOLLOWING INFORMATION:

1.) THE TYPE OF SATELLITE, GEOSTATIONARY OR NONGEOSTATIONARY, (XAL AND/OR RAL).

XAL and RAL in NONGEOSTATIONARY

B.) INCLINATION ANGLE, APOGEE IN KILOMETERS, PERIGEE IN KILOMETERS, ORBITAL PERIOD IN HOURS AND FRACTIONS OF HOURS IN DECIMAL, THE NUMBER OF SATELLITES IN THE SYSTEM, THEN T01

PSLV: **ORB,06.0IN00650AP00650PE001.60H04NRT01**

Soyuz: **ORB,97.8IN00600AP00600PE001.60H02NRT01**

HII-A: **ORB,31.0IN00575AP00575PE001.60H07NRT01**

Falcon-9: **ORB,98.0IN00750AP00450PE001.60H08NRT01**

2.) THE SATELLITE TRANSMITTER ANTENNA GAIN AND BEAMWIDTH (XAD),

UHF: **XAD000G180B**

S-Band: **XAD003G080B**

3.) THE SATELLITE TRANSMITTER ANTENNA AZIMUTH (XAZ), NARROWBEAM, NB, EARTH

COVERAGE, EC, EXAMPLE, XAZ01 EC OR LEAVE BLANK FOR SPACE-TO-SPACE OPERATIONS.

UHF and S-band: **XAZ01 EC**

4.) THE EARTH STATION RECEIVER ANTENNA GAIN, BEAMWIDTH, AZIMUTHAL RANGE, THE SITE

ELEVATION ABOVE MEAN SEA LEVEL IN METERS AND THE ANTENNA HEIGHT ABOVE TERRAIN

IN METERS (RAD):

UHF: **16G036B000-360A00025H002**

S-Band: **29G007B000-360A00025H002**

5.) THE EARTH STATION RECEIVER ANTENNA AZIMUTH (RAZ), THE MINIMUM ANGLE OF ELEVATION

UHF and S-Band: **RAZ01 V10**

6.) THE S NOTE

S871

7.) THE TRANSMITTER ANTENNA ORIENTATION (XAP),

UHF and S-Band: **XAP01L**