**AMSAT®**

**Emergency Communications**

**Wide-Field-of-View**

**Payload Accommodations Study**

Request for Proposal

Version 1.0 August 5, 2015

**Project Summary**

Radio Amateur Satellite Corp. (“AMSAT”) wishes to participate in a ride-share opportunity as a hosted amateur radio payload on a geosynchronous satellite currently being designed by Millennium Space Systems (MSS). This request is for a study to be conducted by Millennium Space Systems to determine feasibility of the ride-share and to determine the effects on the existing design of the satellite.

**Study Statement of Work**

Payload Accommodations

AMSAT will provide information through the documents indicated below in order to allow MSS to determine the accommodation and interface of the payload and antennas to the spacecraft including physical, electrical, data, software, and command interfaces, and dead-facing and keep-out zones.

AMSAT Payload Description

AMSAT Payload Conops

Key Points of Contact and Contact Information

Period of Performance

Develop a Preliminary ICD (together, based on the above documents)

Develop a Preliminary Payload Integration Plan

Develop a Cost Estimate for AMSAT Payload Integration onto WFOV

**Deliverables**

Preliminary ICD

Preliminary Payload Integration Plan

Integration Risk Assessment

Technical

Schedule

Operational Risk Assessment

Likelihood vs. Consequence of any on-orbit secondary payload flip-outs

Payload Integration Cost Estimate

Outbrief and Recommendation to Col. Kennedy and the USAF SMC/RSFT Program Office with a “Go/No-Go” Recommendation