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NATIONAL RECONNAISSANCE OFFICE

Industry Day Briefing
for
Rapid Acquisition of a Small Rocket (RASR)
NRO000-18-R-0089

Office of Space Launch
20 March 2018

Chief,
 OSL COTR
 OSL Contracts

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Administrative Information

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- Government Points of Contact

- Contracting Officer:

- Email:

- Phone:

- COTR:

- Email:

- Phone:

- Notice to Attendees:

- Prospective Offerors should rely only on the Final Request for Proposals (RFP) in preparation of proposals. In the event there is any conflict between information provided by today's statements and the requirements and direction in the Final RFP, the Final RFP (and any amendments) will take precedence.

- Briefing slides will be available on the IC Acquisition Research Center's (ARC's) website for this effort via the CBL tab by 23 March 2018

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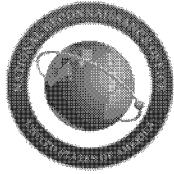
Purpose of the Conference

- Provide potential Offerors information about the acquisition to obtain the best possible proposals
- Provide information on the acquisition requirements
- Provide an opportunity for industry to ask questions and provide comments
- Provide an opportunity for industry feedback/input in order to improve the quality of the Request for Proposal

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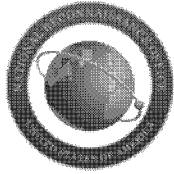
Rules of Engagement

- Respect the integrity of the procurement process
 - The Contracting Officer controls ALL exchanges with Offerors throughout the process
- Due to time constraints, questions may not be answered at this pre-solicitation conference
 - Questions must be submitted in writing here or via the ARC
 - All official responses will be posted to the ARC
 - Questions regarding this presentation or the draft RFP are due no later than 28 March 2018

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Agenda

- Office of Space Launch Overview
- Background
- Overview
- Requirements & Constraints
- Security & Facilities
- Milestone Payment Plan
- Study CLIN
- Evaluation Criteria
- Schedule
- Summary
- Questions

- One-on-One Sessions

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NRO Office of Space Launch (OSL)

Delivering vital NRO capabilities to orbit



Acquisitions
Launch Integration
Operations

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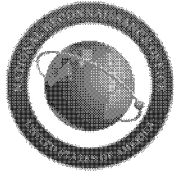


Background

- Small Satellites (SmallSats), to include CubeSats, continue to increase in mission utility across the Intelligence Community, making them a more common choice for advanced technology development & operational demonstrations
 - Lower-cost & shorter development timelines
- With the increase in launch demand for NRO SmallSat programs, traditional rideshare solutions fall short in meeting the flexibility and reliability required
 - Subject to the primary mission orbit, schedule, and do no harm criteria
- Dedicated, Tiny launch services provide an optimal low-cost, launch on schedule solution needed to meet the dynamic demands of SmallSat programs

Tiny Rockets enable resilient & responsive launch options for the NRO

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Overview

Purpose

The purpose of RASR is to provide a dedicated, commercial launch service for a multi-mission manifest of SmallSats

Objective

Identify best practices of procurement and mission integration, and apply lessons learned to future efforts

Goals

- Reduce acquisition timelines
- Streamline mission management functions
- Identify strengths & weaknesses
- Strengthen business relationship with launch service providers

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Schedule

- Draft RFP Release: 9 March 2018
- Industry Day: 20 March 2018
- Final RFP Release: 23 April 2018
- Proposals Due: 23 May 2018
- Projected Announcement: 25 June 2018
- Period of Performance: 27 June 2018 – 31 July 2019

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Top Level Requirements & Constraints

- NROL-151 target ILC: 30 June 2019

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- **Dedicated launch service**

- The Government will control the payload manifest
- The payload will consist of multiple SmallSats/CubeSats utilizing various commercial dispensers and separation systems
- Seeking maximum flexibility in the final payload “down-select” process

- **Must be a US launch vehicle provider**

- “The company’s controlling interest must be held by US citizens”; and
- “Cost of components manufactured in the US must exceed 50% of all components”

- **Successfully launch of the proposed launch vehicle**

- Must demonstrate prior to proposal submission

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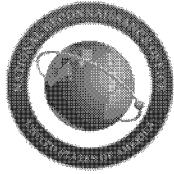


Additional Requirements

- Will NOT require US Government Spaceflight Worthiness Certification
 - Rely on Contractor's internal mission assurance practices
- Comply with US Government Orbital Debris Mitigation Standard Practices
- Responsible for all necessary licensing/approvals
 - Approvals required by the payload will be the responsibility of the Government
- Coordinate any press releases or media through NRO Office of Public Affairs

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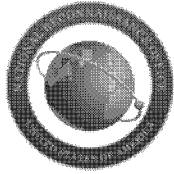


Security & Facilities

- No CLASSIFIED requirements
 - Must ensure Chain of Custody and maintain US controls of the payload
- Will use Contractor's proposed commercial facilities
 - Contractor is responsible for payload transportation from the processing facility to the launch site
- The Contractor must mitigate any security risks with handling the payload or other mission data & information

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Milestones & Payment Plan

Milestones & Reviews	Date	Percent of Price
Kickoff Meeting	ATP + 2 Weeks	10.0%
Mission Design Review (MDR)- 1	TBP	10.0%
Mission Design Review (MDR)- 2	TBP	10.0%
Launch Vehicle Readiness Review (LVRR)	TBP	10.0%
Launch Readiness Review (LRR)	TBP	20.0%
Launch	30 June 2019	20.0%
Post Launch Review	TBP	20.0%

- The offeror shall provide proposed dates consistent with the overall mission schedule

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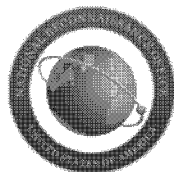


Study CLIN

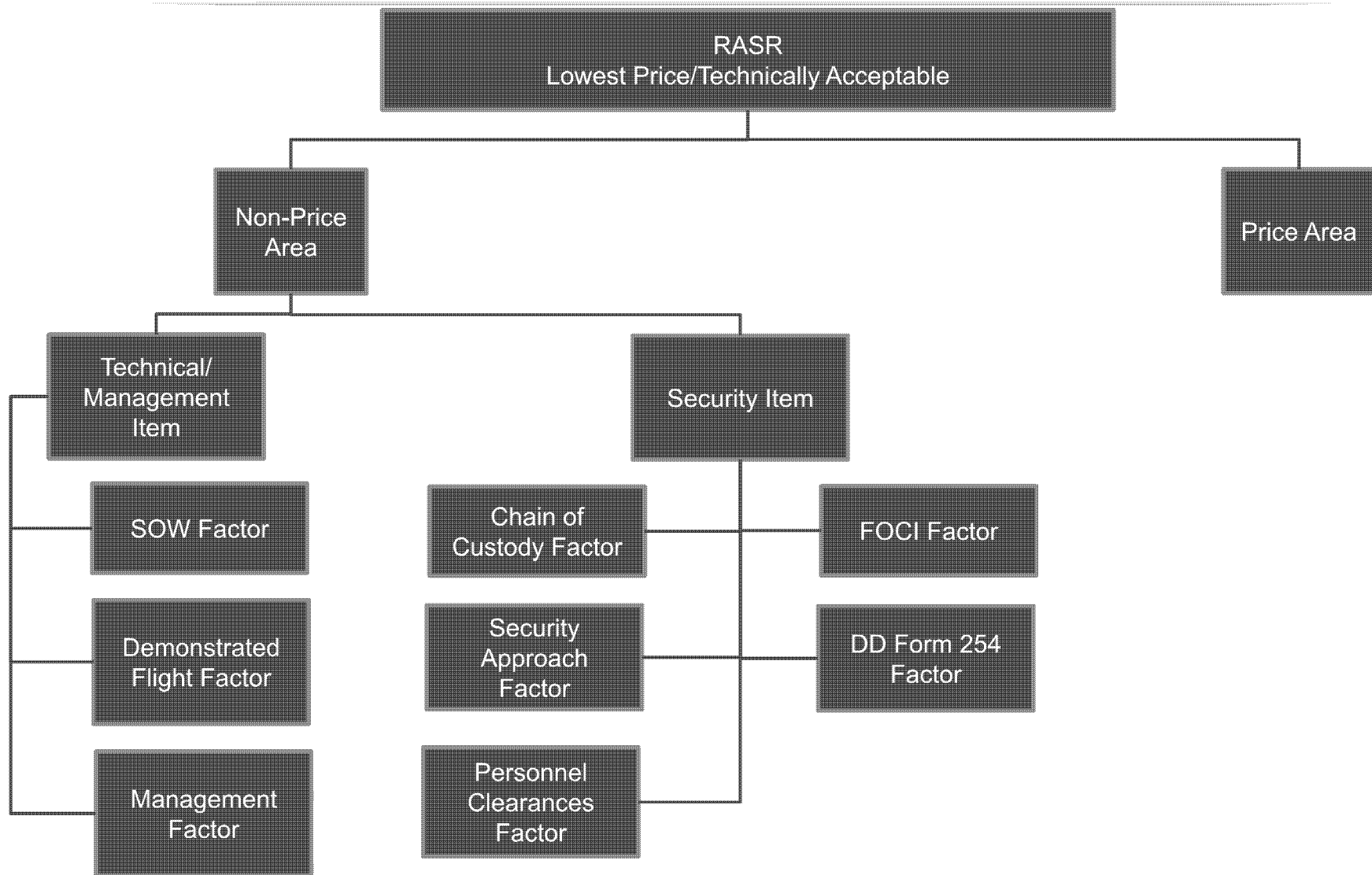
- An optional Study CLIN will be available to execute any additional mission analysis required for the mission
 - Not to exceed 200 hours
- Tasks under this study could include:
 - Additional mission design/analysis
 - Alternative payload configurations
 - Security
 - Mission assurance
 - Integration CONOPS
 - Any other mission unique requirements

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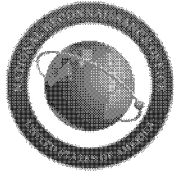


Evaluation Criteria



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Summary

- NRO OSL is very interested in utilizing the emerging commercial Tiny launch services to meet the increasing launch demands of NRO and IC satellite customers
- We want to leverage commercial best practices to streamline future Government procurement and mission integration efforts

RASR is a critical step towards establishing a resilient & responsive SmallSat launch capability for the NRO and IC

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Questions?

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