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4 **NATIONAL SECURITY SPACE LAUNCH (NSSL)**  
5 **PHASE 3 LANE 2 LAUNCH SERVICE PROCUREMENT**  
6 **FA8811-23-R-0002**

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10 **ATTACHMENT 12**  
11 **INSTRUCTIONS TO OFFERORS (ITO)**

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15 **dRFP #2: 13 July 2023**

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19 **United States Space Force**  
20 **Space Systems Command (SSC)**  
21 **Assured Access to Space (AATS)**  
22 **Los Angeles Air Force Base, California**

23 **1 PROGRAM STRUCTURE AND OBJECTIVES**

24 The Space Force Space Systems Command (SSC) will award three requirements contracts for  
25 launch services delivering multiple National Security Space (NSS) missions with annual  
26 ordering periods from Fiscal Year (FY) 2025 through FY 2029 comprising a portion of the  
27 National Security Space Launch (NSSL) program’s manifest that will be ordered during that  
28 period. The general requirements for the launch services are defined in the Performance Work  
29 Statement (PWS) and Contract Data Requirements List (CDRL). Additionally, missions for the  
30 National Reconnaissance Office (NRO) will have a companion contract for mission integration  
31 and additional security requirements.

32 **2 GENERAL INSTRUCTIONS**

33 The Offeror's proposal must include all data and information required by this Request for  
34 Proposal (RFP) and must be submitted in accordance with (IAW) these instructions. In  
35 developing the proposal, the Offeror shall ensure that its proposed offer complies with all the  
36 requirements contained in the RFP, to include the PWS and all its appendices, and CDRL. Any  
37 submitted proposal that does not adhere to the requirements in this RFP may be eliminated from  
38 the competition and ineligible for award.

39 The Offeror’s proposal shall be clear, concise, and shall include sufficient detail for effective  
40 evaluation and substantiating the validity of stated claims. The proposal should not simply  
41 rephrase or restate the Government's requirements but shall provide convincing rationale to  
42 address how the Offeror’s proposal meets or exceeds the full range of NSS requirements. The  
43 launch system the Offeror is proposing to fulfill the NSS requirements may include a single  
44 launch vehicle (LV) or a family of vehicles (Per SPRD Section 6.1.1 a launch system family is:  
45 A product line of launch vehicles offered by a launch vehicle contractor e.g., two different  
46 launch vehicles is acceptable). Offerors shall assume that the Government has no prior  
47 knowledge of its capabilities and experience. Nonetheless, during the source selection  
48 evaluation, the Government reserves the right to use data from other relevant sources.

49 The Government reserves the right to make award of the requirements contracts to three offerors  
50 without the use of discussions upon evaluation of the Offerors’ initial proposals. However, the  
51 Government anticipates setting a competitive range and subsequently entering into discussions.  
52 The Government reserves the right to make a written request for information to evaluate any  
53 directly relevant information from performance on other contracts, ongoing early integration  
54 studies (EIS)/leading edge integration (LEI), mishap and anomaly investigations/findings,  
55 progress toward completing open Non-Recurring Design Validation (NRDV), and progress  
56 toward closing risk mitigation plans.

57 The proposal validity date must be specified, and the proposal must be valid for at least 365  
58 calendar days after date of submission. In accordance with Federal Acquisition Regulation  
59 (FAR) subpart 4.8, Government Contract Files, the Government will retain one copy of all

60 unsuccessful proposals. Unless the Offeror requests otherwise, the Government will destroy  
61 extra copies of such unsuccessful proposals.

## 62 **3 GENERAL INFORMATION**

### 63 **3.1 POINT OF CONTACT**

64 The Procuring Contracting Officer (PCO), Mrs. Kirsten Prechtel, is the sole point of contact for  
65 this acquisition. Address questions or concerns to the PCO at [kirsten.prechtel@spaceforce.mil](mailto:kirsten.prechtel@spaceforce.mil) or  
66 310-879-7530.

### 67 **3.2 DEBRIEFINGS**

68 The PCO will promptly notify Offerors of any decision to exclude them from the competitive  
69 range if a competitive range is established, whereupon they may request and receive a pre-award  
70 debriefing IAW FAR 15.505 or a post-award debriefing IAW FAR 15.506. In addition, the PCO  
71 will notify unsuccessful Offerors in the competitive range of the source selection decision IAW  
72 FAR 15.503. Upon such notification, unsuccessful Offerors may request and receive a post-  
73 award debriefing. Offerors desiring a debriefing must make their request IAW the requirements  
74 of FAR 15.505 or 15.506, as applicable.

### 75 **3.3 DISCREPANCIES**

76 If an Offeror believes that the requirements in this RFP contain an error or omission, or are  
77 otherwise unsound, the Offeror shall immediately notify the PCO in writing with supporting  
78 rationale as well as the remedies the Offeror is asking the PCO to consider as related to the  
79 omission or error.

### 80 **3.4 ELECTRONIC REFERENCE DOCUMENTS**

81 Referenced documents for this solicitation are available at <http://www.sam.gov> and the Bidders'  
82 Library. Offerors should contact the PCO to obtain access to the Bidders' Library. Potential  
83 Offerors are encouraged to subscribe for real-time e-mail notifications when information has  
84 been posted to the website for this solicitation.

### 85 **3.5 EXCHANGES**

86 Exchanges of source selection information between the Government and Offerors will be  
87 controlled by the PCO.

### 88 **3.6 DISCUSSIONS**

89 The Government reserves the right to award without discussions. However, if it is in the  
90 Government's best interest to hold discussions, then the Government may conduct discussions  
91 with Offerors after establishing a competitive range of the most highly rated proposals based on  
92 the ratings of each proposal against all evaluation criteria. The Government reserves the right to  
93 record audio telecommunications with the Offerors during the source selection.

94 **3.7 USE OF NON-GOVERNMENT ADVISORS**

95 Offerors are advised that data submitted to the Government in response to this solicitation will be  
96 released to individuals who work for the following company as non-Government advisors for  
97 review and analysis:

98 **Table 3.7-1: Source Selection Support Contractor**

Company Name	Address
The Aerospace Corporation	P.O. Box 92957, Los Angeles, CA 90009-2957

99  
100 Individuals from the above support contractor have signed individual non-disclosure agreements  
101 with the Government, which strictly prohibits any release or disclosure of information outside  
102 the source selection team.

103 Proposal submission constitutes written consent for the Government to release data submitted in  
104 response to this solicitation to the above-named company.

105 **3.8 ALTERNATIVE OR MULTIPLE PROPOSALS**

106 Alternative proposals will not be considered. Each Offeror may only submit one proposal.

107 **4 PROPOSAL FORMAT**

108 **4.1 ORGANIZATION**

109 The Offeror shall prepare the proposal as set forth in Table 4.1-1: Proposal Organization. The  
110 titles and contents of the volumes shall be as defined in this table and must adhere to the required  
111 page limits. The Volumes identified in the table shall be separately bound in three-ring, loose-  
112 leaf binders, plus each Volume's electronic copy shall be saved on a separate compact disc (CD)  
113 or digital video disc (DVD) for a total of six (6) total CDs or DVDs. Offeror shall use page  
114 separation tabs for each Factor and Subfactor for the Volume binders. The Offeror shall provide  
115 one hard copy of the proposal and two electronic copies of the proposal on CDs or DVDs  
116 (unclassified only). All classified sections of the proposal response shall be provided IAW  
117 Paragraph 4.4. The contents of each proposal volume are noted in the table below:

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**Table 4.1-1: Proposal Organization**

Volume	Title		Hard Copies	Electronic Copies	Page Limit
I	Executive Summary		1	2	15
II	Minimum Gate – Approved Certification Plan		1	2	Unlimited
III	Technical (Factor 1)	Subfactor 1: System Capability	1	2	60
		Subfactor 2: SIS Category B	1	2	50
		Subfactor 3: SIS Category C	1	2	60
		Subfactor 4: System Risks and Mitigations	1	2	100
IV	Past Performance (Factor 2)	Past Performance Information Forms Completed by Offeror	1	2	8 pages per contract
		Team Member Consent Forms	1	2	Unlimited
		Client Authorization Letters	1	2	Unlimited
V	Small Business Participation (Factor 3)		1	2	Unlimited
VI	Price (Factor 4)		1	2	Unlimited
VII	Model Contract		1	2	Unlimited

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## 125 4.2 PAGE LIMITATIONS

126 Page limitations shall be treated as maximums. If exceeded, the excess pages will not be read or  
127 considered in the evaluation of the proposal, and excess pages in paper copies will be shredded.  
128 If the Government issues Evaluation Notices (EN) for discussions, page limitations may be  
129 placed on responses to EN. The specified page limits for EN responses will be identified in the  
130 letters sent along with the EN to the Offerors. Unless otherwise specified, each page shall be  
131 counted except the following: cover/title pages, compliance matrix, cross-reference matrix, table  
132 of contents, lists of figures and tables, tabs, glossaries, and list of acronyms. For the Executive  
133 Summary, the page limit applies only to the Narrative Summary. The dispersion tables and  
134 diagrams for the Monte Carlo Orbital Parameter Accuracy and Mass-to-Orbit analyses do not  
135 count towards page limits within Technical, Factor 1, Subfactor 1. Elaborate brochures or  
136 documentation, binding, detailed artwork, or other embellishments are unnecessary and are not  
137 desired.

138 **4.3 PAGE SIZE AND FORMAT**

139 A page is defined as each face of a sheet of paper containing information. When both sides of a  
140 sheet display printed material, it shall be counted as two pages. Page size shall be 8.5 by 11  
141 inches (in.), not including foldouts. Except for the reproduced sections of the solicitation  
142 document, the text size shall be no less than 12 point using Times New Roman font type.  
143 Tracking, kerning, and leading values shall not be changed from the default values of the word  
144 processing or page layout software. Use at least 1 in. margins on the top and bottom and ¾ in.  
145 side margins. Pages shall be numbered sequentially by volume. These page size and format  
146 restrictions shall also apply to EN responses.

147 Legible tables, charts, graphs, and figures shall be used wherever practical to depict  
148 organizations, systems and layout, implementation schedules, plans, etc. These displays shall be  
149 uncomplicated and legible and shall not exceed 11 by 17 in. in size. Foldout pages shall fold  
150 entirely within the volume, and each face of the foldout containing information will be counted  
151 as a single page. Foldout pages may only be used for large tables, charts, graphs, and figures,  
152 not for pages of text. For tables, charts, graphs, and figures, the text may be in the Offeror's  
153 preferred format.

154 **4.4 CLASSIFIED INFORMATION**

155 The Offeror shall provide unclassified proposal responses to the greatest extent possible. If  
156 classified information is provided as part of the proposal response, it shall be provided  
157 electronically via appropriate communication channels and as a single classified addendum. No  
158 bound, hard copies will be required. The electronic classified addendum shall be submitted  
159 according to the applicable security regulations as follows: Department of Defense (DoD)  
160 5220.22-M, the NSSL Security Classification and Declassification Guide, Integrated NRO  
161 Classification Guide, NRO Launch Information Protection Guide, and the Air Force DD Form  
162 254. Each entry in the classified addendum shall be referenced to the proposal volume,  
163 Factor/Subfactor, page number, and paragraph number to which it applies. Similarly, a reference  
164 shall be placed in the unclassified volume where the classified insert applies, giving the page and  
165 paragraph numbers within the addendum where it can be found. Pages in a classified addendum  
166 will be included in the page count for the applicable volume. For example, if the unclassified  
167 section is one-half page and the classified section is one-half page, they will be evaluated as a  
168 single page with regard to the page count, not as two pages.

169 **4.5 CROSS-REFERENCING**

170 Each volume shall be written on a stand-alone basis so that its contents may be evaluated without  
171 cross-referencing to other volumes of the proposal. However, cross-referencing within a  
172 proposal volume is permitted where its use would conserve space without impairing clarity.

173 **4.6 INDEXING**

174 Each volume shall contain a table of contents with more detail than the master table of contents  
175 included in the Executive Summary Volume. Tab indexing shall be used to identify sections.

176 **4.7 GROUND RULES AND ASSUMPTIONS**

177 Each volume shall contain the complete set of the offeror’s ground rules and assumptions. For  
178 example, the Technical Volume shall contain ground rules and assumptions across all volumes  
179 (i.e., those that apply to Technical, Small Business, Past Performance, and Pricing Volumes).  
180 The ground rules and assumptions will not count against the offerors page count for that volume.

181 **4.8 GLOSSARY OF ABBREVIATIONS AND ACRONYMS**

182 Each volume shall contain a glossary of all abbreviations and acronyms used with a definition  
183 for each item.

184 **4.9 BINDING AND LABELING**

185 Each volume of the proposal shall be separately bound in a three-ring, loose-leaf binder,  
186 permitting the volume to lie flat when open. Staples shall not be used. A cover sheet shall be  
187 placed in the front sleeve of each volume, clearly marked as to volume number, title, copy  
188 number, solicitation identification, and the Offeror’s name. The same identifying data shall be  
189 placed on the spine of each binder. Be sure to apply all appropriate markings including those  
190 prescribed IAW FAR 52.215-1(e) (Restriction on disclosure and use of data) and FAR 3.104-4  
191 (Disclosure, Protection, and Marking of Contractor Bid or Proposal Information and Source  
192 Selection Information).

193 **4.10 ELECTRONIC OFFERS**

194 The content and page size of electronic copies must be identical to the hard copy. All CDs shall  
195 be placed in plastic sleeves that open on the top in one separate binder, with the volume number  
196 and title indicated on each disc. Hypertext links shall be used to facilitate navigation within the  
197 document. Use separate files to permit rapid location of all portions, including factors, exhibits,  
198 annexes, and attachments, if any. If files are compressed, the necessary decompression program  
199 must be included. The electronic copies of the proposal shall be submitted in a format readable  
200 by Microsoft (MS) Office Word 2010/2016, MS Office Excel 2010/2016, MS Office Project  
201 2010/2016, and MS Office Power Point 2010/2016, as applicable. In the event there are  
202 discrepancies between the hard copy and the electronic copies of the proposal, the electronic  
203 copies will be used for evaluation. The “original” electronic copy of the proposal shall be  
204 identified.

205 **4.11 DELIVERY INSTRUCTIONS**

206 Delivery of proposals shall be coordinated with the PCO at least one (1) business day in advance  
207 of the due date and time. Early deliveries of proposals shall also be coordinated with the PCO.  
208 Electronic and hard copies of proposals are due **15 December 2023 by 4:00 pm Pacific Time.**

209 Proposals received after the date and time specified will be treated IAW FAR 52.212-1(f). If a  
210 proposal will contain classified information, Offerors shall coordinate with the PCO at least  
211 seven (7) calendar days in advance of the due date and time.

212 Proposals shall be addressed to the PCO and mailed, or hand carried to:

213 SSC/AAK  
214 Attn: Mrs. Kirsten Prechtl  
215 483 N. Aviation Blvd.  
216 El Segundo, CA 90245

## 217 **5 EXECUTIVE SUMMARY**

218 The purpose of the Executive Summary Volume is to provide a complete overview of the  
219 Offeror's proposal. The Executive Summary Volume will not be evaluated, scored, or used to  
220 clarify discrepant information in other volumes. Any summary material presented in the  
221 Executive Summary Volume will not be considered as meeting the requirements for any portions  
222 of other volumes of the proposal. Do not include cost information. The Offeror shall provide  
223 the following information in the Executive Summary:

### 224 **5.1 NARRATIVE SUMMARY**

225 The Executive Summary shall describe the proposed launch system and its prominent and  
226 distinguishing features. The narrative summary of the entire proposal shall be concise, to include  
227 addressing any risk areas and mitigation plans, and highlighting any key or unique features. The  
228 Executive Summary shall stand alone and not directly reference the other sections of the  
229 proposal. At a minimum:

- 230 a. The Offeror shall address the ability to meet or exceed all NSS reference orbits' mass-to-  
231 orbit requirements and payload envelope categories, as defined in the NSSL System  
232 Performance Requirements Document (SPRD) Revision C, Tables 1 and 2, and NSSL  
233 Standard Interface Specification (SIS) Revision D, paragraph 3.1.1.4.
- 234 b. The Offeror shall address the ability to meet or exceed all NSS reference orbital  
235 parameter accuracy requirements, as defined in the SPRD Rev C, Tables 3 and 4.
- 236 c. The Offeror shall address the characteristics of its launch system infrastructure, including  
237 a description of both the East and West coast launch sites, that meet or exceed NSS  
238 requirements in the SPRD Rev C, paragraphs 3.2.7 Payload Orientation, 3.2.9 Launch  
239 Rate, 3.2.11 Basing, and 3.3.2 Protection of NSS Payload requirements.
- 240 d. If the Offeror is involved in current NSSL certification efforts or will need to initiate  
241 future NSSL certification efforts, the Offeror shall outline the plan to achieve NSSL  
242 certification for the LV (or family of LVs) that meets or exceeds all NSS launch  
243 requirements.
- 244 e. The Offeror shall briefly summarize any relevant launch system experience.

245 f. The Offeror shall state in Table 5.1-1, for each reference orbit, a single, “primary” launch  
 246 vehicle configuration that meets or exceeds all the reference orbit requirements. Mission  
 247 reliability methodology for a single space vehicle (SV) payload configuration is defined  
 248 in the SPRD Rev C, Appendix B.

249 **Table 5.1-1: NSSL Approach**

Reference Orbit	Primary Launch Vehicle Configuration	Mission Reliability (%)
LEO		
Polar 1		
Polar 2		
MEO Direct		
MEO Direct 2		
MEO Transfer		
MEO Transfer 2		
GTO		
Molniya		
GEO 1		
GEO 1.5		
GEO 2		

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251 **5.2 OFFEROR’S PROPOSED TEAM**

The Offeror shall briefly identify the Offeror’s team to include major subcontractors.

252 **5.3 MASTER TABLE OF CONTENTS**

253 The Offeror shall include a master table of contents of the entire proposal.

254 **5.4 CROSS REFERENCE MATRIX**

255 The Offeror shall fill in the proposal column of the cross-reference matrix below with the  
 256 volume, sections, and paragraph numbers from its proposal that correspond with the paragraph  
 257 numbers from Attachment 12 and Attachment 13 listed below.

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**Table 5.4-1: Cross Reference Matrix**

<b>Volume</b>	<b>Attachment 12: Instructions to Offerors</b>	<b>Attachment 13: Evaluation Criteria</b>	<b>Counted Towards Maximum Page Limitation (Y/N)</b>	<b>Proposal Volume, Section, Paragraphs</b>
Volume I: Executive Summary	5.1	N/A	Y	*
	5.2	N/A	Y	*
	5.3	N/A	N	*
	5.4	N/A	N	*
Volume II Minimum Gate	6	6	N	*
Volume III: Technical/System Capability	7.3	7.3	Y	*
Volume III: Technical/SIS Category B	7.4	7.4	Y	*
Volume III Technical/SIS Category C	7.5	7.5	Y	*
Volume III: Technical/System Risks and Mitigations	7.6	7.6	Y	*
Volume IV: Past Performance	8	8	Y	*
Volume V: Small Business Participation	9	9	N	*
Volume VI: Price	10	10	N	*
Volume VII: Model Contract	11	N/A	N	*

261 \* To be filled in by Offeror

262 **6 MINIMUM GATE: APPROVED LAUNCH SYSTEM**  
263 **CERTIFICATION PLAN**

264 6.1 Pursuant to FAR15.306(c)(2), the PCO may limit the number of proposals in the competitive  
265 range to the greatest number that will permit an efficient competition among the most highly  
266 rated proposals. In the first phase of the evaluation, an Offeror’s proposal must meet the  
267 Minimum Gate, before moving to the second phase of the evaluation. Offerors not meeting the  
268 Minimum Gate would then be excluded from further evaluation in the second phase and will  
269 receive an unsuccessful offeror letter IAW FAR 15.503(a)(1).

270 6.2 The Government will evaluate whether the Offeror has an existing or newly approved  
271 Certification Plan(s) if that launch system is not already certified. Offerors must submit any  
272 existing or newly approved Certification Plan(s) that addresses system development to meet the  
273 full range of NSSL requirements if launch system is not already certified. For certified launch

274 systems that have not changed capabilities, offerors do not have to conduct a new/delta  
275 certification.

276 6.3 Offerors who meet the Minimum Gate and advance to the second phase of the evaluation  
277 will be evaluated using the factors listed below.

## 278 **7 FACTOR 1: TECHNICAL**

279 The purpose of this factor is to obtain information to evaluate how the Offeror’s proposed launch  
280 system(s) will meet or exceed NSS requirements, meet selected requirements of sample NSSL  
281 missions, and meet key mission Initial Launch Capability (ILC) dates. The SPRD Rev C and the  
282 SIS Rev D are listed as compliance documents in PWS Appendix C, and nothing in this ITO  
283 relieves Offerors from having to meet those requirements.

### 284 **7.1 RESERVED**

### 285 **7.2 RESERVED**

### 286 **7.3 SUBFACTOR 1: SYSTEM CAPABILITY**

#### 287 **7.3.1 MASS-TO-ORBIT**

288 The Offeror shall state its launch system offering’s mass-to-orbit capabilities for each proposed  
289 configuration for applicable reference orbits (as defined by the SPRD Rev C, Tables 1 and 2) in  
290 Table 7.3.1-1. For each reference orbit, the Offeror shall designate (with an upper case “P”) a  
291 single, “primary” LV configuration, which meets or exceeds all requirements for that reference  
292 orbit. The maximum mass-to-orbit capabilities shall be calculated as defined in the SPRD Rev  
293 C, Appendix A, and must be inclusive of all Government directed and any applicable contractor  
294 performance reserves and Orbital Debris Mitigation Standard Practices (ODMSP) compliance  
295 (note: TOR-2023-01395 "Disposal Options for Selected Orbits" provides a methodology for  
296 evaluating long-term propagation and collision probability for orbits near GEO and MEO and  
297 may be used to evaluate compliance of disposal requirements). The Flight Performance Reserve  
298 value shall be calculated for the primary launch vehicle configuration for each reference orbit by  
299 6 degrees-of-freedom Monte Carlo methodology or an alternate method. The preferred method  
300 is Monte Carlo. If the Monte Carlo methodology is selected, then a minimum of 10,125 runs  
301 shall be performed. The propellant margin values from these runs shall be sorted from their  
302 lowest to highest values and the 14th lowest value will be the 99.865% probability at 50%  
303 confidence propellant margin. If an alternate method is selected, the Offeror shall provide  
304 evidence that demonstrates the flight performance reserve is conservative with respect to the  
305 Monte Carlo evaluation described above. The Offeror shall describe the analysis and  
306 methodology it used to calculate the mass-to-orbit capability. The analysis methodology shall be  
307 based on either demonstrated flight performance or engineering data. If the analysis  
308 methodology is based on demonstrated flight performance, the offeror shall submit evidence of  
309 how the model was updated based on flight data along with historical orbital accuracy  
310 information. The Offeror shall state the launch origination point (Eastern or Western Range)

311 used for their calculation. If the Offeror intends to recover launch service hardware, the Offeror  
 312 shall ensure that the performance required to recover the hardware is included under its  
 313 contractor performance reserves and so indicate in its configuration description.

314 **Table 7.3.1-1: Mass-to-Orbit Capabilities of Proposed Configurations by Reference Orbit**

Configuration	LEO	Polar 1	Polar 2	MEO Direct	MEO Transfer	GTO	Molniya	GEO 1	GEO 2
Configuration a									
Configuration b									
...									
Configuration n									

315

Configuration	MEO Direct 2	MEO Transfer 2	GEO 1.5
Configuration a			
Configuration b			
...			
Configuration n			

316

317 Each capability listed shall be also listed in Appendix F of this attachment.

318 **7.3.2 ORBITAL PARAMETER ACCURACY**

319 For the primary launch vehicle configuration of each reference orbit (as designated in section  
 320 7.3.1), the Offeror shall provide, in Table 7.3.2-1, the orbital parameter accuracies for that  
 321 configuration IAW SPRD Rev C, paragraph 3.2.4 probability and confidence requirements and  
 322 SPRD Rev C Appendix A Section A.5. The Offeror shall provide a detailed description of its  
 323 approach to meet all orbital parameter accuracy requirements for the launch configuration  
 324 proposed. The orbital parameter accuracy values shall be calculated by 6-degrees-of-freedom  
 325 Monte Carlo methodology or by Covariance analysis. The preferred method is Monte Carlo. If  
 326 the Monte Carlo methodology is selected, then a minimum of 10,125 runs shall be performed.  
 327 The orbital parameters having a two-sided distribution shall be sorted from their lowest to  
 328 highest values, and the 14th lowest and 14th highest values will be the 99.73% probability at  
 329 50% confidence orbital parameters. The orbital parameters having a one-sided distribution shall  
 330 be sorted from their lowest to highest values, and the 14th highest value will be the 99.865%  
 331 probability at 50% confidence orbital parameters. If a Covariance analysis is selected to  
 332 determine the orbital parameter accuracy, the Offeror shall provide evidence that demonstrates

333 the orbital parameter accuracy is conservative with respect to the Monte Carlo evaluation  
 334 described above. The Offeror shall describe and justify the methods used in determining the  
 335 orbital parameter accuracy. The analysis methodology shall be based on either demonstrated  
 336 flight performance or engineering data. If the analysis methodology is based on demonstrated  
 337 flight performance, the offeror shall submit evidence of how the model was updated based on  
 338 flight data and provide the associated historical orbital accuracy information.

339 **Table 7.3.2-1: Orbital Parameter Accuracies**

Reference Orbit	Primary Launch Vehicle Configuration	Perigee Altitude (nmi)	Apogee Altitude (nmi)	Inclination (deg)	Argument of Perigee (deg)	Right Ascension of Ascending Node (deg)
LEO					N/A	
Polar 1					N/A	
Polar 2					N/A	
MEO Direct					N/A	
MEO Direct 2					N/A	
MEO Transfer						
MEO Transfer 2						
GTO						
Molniya						
GEO 1					N/A	N/A
GEO 1.5					N/A	N/A
GEO 2					N/A	N/A

340 For each reference orbit, the Offeror shall describe all dispersions used to generate orbital  
 341 parameter accuracy. All dispersions shall be listed in Table 7.3.2-2 with required data to  
 342 describe the dispersions, including statistical distribution type (e.g., Gaussian, uniform),  
 343 including justifications in a separate narrative.

344 **Table 7.3.2-2: Reference Orbit Dispersions List**

Dispersion	-3 sigma value	Nominal	+3 sigma value	Statistical Distribution Type
Parameter i	[Offeror to fill-in]	[Offeror to fill-in]	[Offeror to fill-in]	[Offeror to fill-in]

Parameter n	[Offeror to fill-in]	[Offeror to fill-in]	[Offeror to fill-in]	[Offeror to fill-in]
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346 **7.3.3 MISSION ASSURANCE**

347 **7.3.3.1 Mission Assurance Approach**

348 The Offeror shall describe its mission assurance approach, the processes and relevant command  
 349 media used, and the products it routinely generates as part of its mission assurance process from  
 350 launch system development through flight to ensure mission success. The Offeror shall describe  
 351 how the mission assurance approach identifies, assesses, and mitigates risk from launch system  
 352 development through flight.

353 **7.3.3.2 Integration of Mission Assurance Products**

354 The Offeror shall provide a description of how it will integrate its mission assurance processes,  
 355 products, and command media with the Government’s mission assurance processes.

356 **7.3.3.3 Subcontractor Mission Assurance**

357 The Offeror shall describe how it flows down mission assurance requirements to subcontractors  
 358 of flight critical items (hardware and software). The Offeror shall describe how it will ensure  
 359 that subcontractor mission assurance approaches, processes, and products are in alignment with  
 360 its own and Government mission assurance requirements. The Offeror shall describe how the  
 361 mission assurance approach identifies, assesses, and mitigates subcontractor related risks.

362 **7.4 SUBFACTOR 2: SIS CATEGORY B**

363 This Subfactor addresses the Offeror’s approach to launching sample NSSL Category B payload  
 364 envelope missions. These sample missions are illustrative of missions that could be assigned  
 365 under the Phase 3 contract; however, they are defined here for information purposes only. Each  
 366 sample mission described in this document has an Interface Requirements Document (IRD) that  
 367 is available in the Bidders’ Library. For the purposes of the proposal evaluation, sample mission  
 368 requirements, specified in this ITO, take precedence over the sample mission IRD. This  
 369 subfactor addresses the Offeror’s CONOPs approach. Additionally, this Subfactor addresses the  
 370 readiness of the Offeror’s proposed launch system(s) towards meeting NSSL ILC dates for  
 371 Category B missions.

372 **7.4.1 CATEGORY B SAMPLE MISSIONS**

373 **7.4.1.1 Category B LEO**

374 The following information is provided as context for addressing the specific requirements in the  
 375 following subparagraphs. This mission is a Category B “high” (7500 km semi-major axis) LEO  
 376 mission launched from the Eastern or Western Range at the Offeror’s option. The Integrated  
 377 Payload Stack (IPS) consists of a primary SV, which is Category A in volume, and four Evolved  
 378 Secondary Payload Adapter (ESPA) class satellites on an ESPA “Grande” ring. The orbital

379 parameters and injection accuracy requirements are those listed in Phase 3 LEO IRD Tables  
 380 3.4.1.1-1 and 3.4.1.2-1 in the Bidder’s Library. The SV mass-to-orbit requirements are specified  
 381 in Phase 3 LEO IRD paragraph 3.1.3.1. Other mission-specific requirements are provided in the  
 382 Phase 3 LEO IRD. The following tables summarize performance requirements.

383 **Table 7.4.1.1-1: Mission Performance Requirements**

Nearest Ref Orbit	Integrated Payload Stack Mass (lbm)	Semi-major Axis (nmi)	Eccentricity	Inclination (deg)	Argument of Perigee (deg)	RAAN (deg)	Payload Envelope
LEO	14,903*	4049.7	0.0131	63.535	190	0	B**

384 \* Per Phase 3 LEO IRD paragraph 3.1.3.1, maximum primary payload weight is 11,600 pounds  
 385 and maximum ESPA payload weight is 3,140 pounds (ESPA Grande ring and four multi-manifest  
 386 SVs).

387 \*\* Primary payload requires payload envelope A, while Integrated Payload Stack including ESPA  
 388 Grande is payload envelope B.

389 **Table 7.4.1.1-2: Mission Orbital Accuracy Requirements**

Nearest Ref Orbit	Apogee (nmi)	Perigee (nmi)	Inclination (deg)	Argument of Perigee (deg)	RAAN (deg)
LEO	±11.98	±4.96	±0.15	±5	±0.2

390 The following are mission-specific requirements provided for information purposes only:

- 391 a. Electrical trailblazer per Phase 3 LEO IRD Appendix B
- 392 b. Horizontal or vertical integration
- 393 c. Ordnance circuit verification
- 394 d. Flight umbilical checkouts
- 395 e. SV preparations at launch site
- 396 f. Category A EELV SIS Rev D payload envelope acoustic environment
- 397 g. Multi-manifest/Rideshare (ESPA Grande)

398 **7.4.1.1.1 LEO Launch Operations Concept of Operations (CONOPS)**

399 The Offeror shall describe their Phase 3 LEO IRD compliant Launch Operations CONOPS,  
 400 including a graphical representation. The CONOPS shall include:

- 401 1. Proposed launch operations flow from the time the Government provides the IPS  
 402 elements to the Offeror as Government Property for encapsulation through liftoff, to  
 403 include any contingency procedures;
- 404 2. SV processing and encapsulation plans, either oriented to the Astrotech Processing  
 405 Facility (APF) at Vandenberg Space Force Base (VSFB) for a Western Range solution, or

406 oriented to the Eastern Processing Facility (EPF) at Cape Canaveral Space Force Station  
 407 (CCSFS) for an Eastern Range solution, and horizontal/vertical payload handling; and  
 408 3. LV to IPS mechanical and electrical interface verification to include end-to-end ordnance  
 409 circuit continuity testing as defined in the Phase 3 LEO IRD, paragraph 3.2.3.7.5.6.

410 **7.4.1.2 Category B Molniya**

411 The following information is provided as context for addressing the specific requirements in the  
 412 following subparagraphs. This mission is a Category B mission for a modified Molniya orbit  
 413 launched from the Western Range. The orbital parameters and injection accuracy requirements  
 414 are those listed in Phase 3 Molniya IRD Tables 3.1.1.1-1 and 3.1.1.2-1 located in the Bidder’s  
 415 Library. The SV mass-to-orbit requirements are specified in Phase 3 Molniya IRD paragraph  
 416 3.1.1. The following tables summarize performance requirements.

417 **Table 7.4.1.2-1: Mission Performance Requirements**

Nearest Ref Orbit	Payload Mass (lbm)	Apogee (nmi)	Perigee (nmi)	Inclination (deg)	Argument of Perigee (deg)	RAAN (deg)	Payload Envelope
Molniya	12,900	9287	1250	63.4	270	TBD	B

418 **Table 7.4.1.2-2: Mission Orbital Accuracy Requirements**

Nearest Ref Orbit	Apogee (nmi)	Perigee (nmi)	Inclination (deg)	Argument of Perigee (deg)	RAAN (deg)
Molniya	±60	±5	±0.1	±0.1	±0.1

419 The following are mission-specific requirements provided for information purposes only:

- 420 a. Vertical or horizontal integration of the encapsulated SV to the LV
- 421 b. Radio Frequency (RF) attenuation as documented in the Phase 3 Molniya IRD to include
- 422 during Payload Fairing (PLF) door access operations

423 **7.4.1.2.1 Molniya Mission Profile**

424 The Offeror shall describe its launch configuration for this sample mission. The Offeror shall  
 425 provide a mission profile including upper stage ODMSP compliant disposal approach. The  
 426 mission profile shall include the significant sequence of events to include times with respect to  
 427 liftoff. At a minimum, the sequence of events shall include the following mission profile events  
 428 listed below (a-j). The Offeror shall address Launch Profile Unique Maneuvers as required in  
 429 the Phase 3 Molniya IRD, paragraphs 3.1.1 through 3.1.4. If an event is not applicable, the  
 430 Offeror shall provide supporting rationale for its exclusion.

- 431 a. First stage propulsion system(s) start
- 432 b. Solid rocket motor ignition (if applicable)
- 433 c. Solid rocket motor burnout and jettison sequence (if applicable)

- 434 d. First stage, and subsequent (if applicable), engine cutoff and separation events
- 435 e. Payload Fairing (PLF) jettison (if applicable)
- 436 f. Upper stage engine burn ignition(s), cutoff(s), and coast time(s)
- 437 g. SV separation
- 438 h. Initiation of upper stage Contamination and Collision Avoidance Maneuver(s) (CCAM)
- 439 i. Upper stage disposal initiation (ODMSP compliant)
- 440 j. End of mission for upper stage, where end of mission is defined as the completion of
- 441 passivation with no further planned maneuvers, or through upper stage impact after
- 442 controlled reentry

443 The Offeror shall provide evidence for the applicable portions of the mission profile that have  
 444 been flight demonstrated by the proposed launch vehicle system or a relevant comparison launch  
 445 vehicle. The Offeror shall identify any applicable portions of the mission profile that have not  
 446 yet been flight demonstrated by the proposed launch vehicle system or relevant comparison  
 447 launch vehicle. For these applicable undemonstrated mission profile portions, the Offeror shall  
 448 provide engineering and risk analyses of the affected launch vehicle subsystems. The Offeror  
 449 shall provide mitigation approaches that address identified risks associated with the applicable  
 450 undemonstrated portions of the proposed mission profile.

451 **7.4.1.3 Category B GEO 1.5 Co-Manifested Mission**

452 This mission is a co-manifested sample mission with an augmented ESPA aft payload and a  
 453 testbed satellite vehicle (SV) forward payload. This mission is a Category B GEO 1.5 mission.  
 454 The orbital parameters and injection accuracy requirements are those listed in Phase 3 GEO 1.5  
 455 IRD Tables 2.1-1 and 2.1-2. The SV Mass-to-Orbit requirements are specified in Phase 3 GEO  
 456 1.5 Table 2.1-1. Other mission-specific requirements are provided in the Phase 3 GEO 1.5 IRD.  
 457 The following tables summarize performance requirements.

458 **Table 7.4.1.3-1: GEO 1.5 Mission Performance Requirements**

Nearest Ref Orbit	Payload Mass (lbm)	Apogee (nmi)	Perigee (nmi)	Inclination (deg)	Payload Envelope
GEO 1.5	5500	19493	19493	0	B

459 **Table 7.4.1.3-2: GEO 1.5 Mission Orbital Accuracy Requirements**

Nearest Ref Orbit	Apogee (nmi)	Perigee (nmi)	Inclination (deg)
GEO 1.5	±80	±80	±0.1

460 The following are mission-specific requirements:

- 461 1. Multi-manifest/rideshare
- 462 2. Forward and aft Space Vehicle access after encapsulation
- 463 3. Additional separation ordnance circuits

- 464 4. Primary and redundant ordnance circuit end-to-end continuity test at the launch complex
- 465 5. Aft payload fairing Environmental Control System (ECS)
- 466 6. T-0 GN2 instrument (spot) purge
- 467 7. Payload power during ascent
- 468 8. Integrated Payload Stack (a payload mounted to an ESPA ring port) integration/swap at
- 469 NLT L-30 days
- 470 9. Cleared integrators
- 471 10. Horizontal or Vertical Integration

472 The Offeror shall provide the following detailed information for this sample mission:

#### 473 **7.4.1.3.1 GEO 1.5 Mission Profile/Sequence of Events**

474 The Offeror shall describe its launch configuration for this sample mission. The Offeror shall  
475 provide a mission profile including upper stage disposal approach. The mission profile shall  
476 include the proposed launch site and significant sequence of events to include times with respect  
477 to liftoff. At a minimum, the sequence of events shall include the following mission profile  
478 events listed below (a-j); and the Offeror shall include any other significant events in the  
479 proposed mission profile. This mission requires multiple separation events – first, the separation  
480 of the testbed SV, and second, the separation of the augmented ESPA SV. If an event is not  
481 applicable, the Offeror shall provide supporting rationale for its exclusion.

- 482 a. First stage propulsion system(s) start
- 483 b. Solid rocket motor ignition, burnout and jettison sequence (if applicable)
- 484 c. First stage, and subsequent (if applicable), engine cutoff and separation events
- 485 d. PLF jettison
- 486 e. Upper stage engine burn ignition(s), cutoff(s) and coast time(s)
- 487 f. Testbed SV separation
- 488 g. Augmented ESPA SV separation(s)
- 489 h. Initiation of upper stage CCAMs
- 490 i. Upper stage disposal initiation
- 491 j. End of mission for upper stage, where end of mission is defined as the completion of  
492 passivation with no further planned maneuvers, or through upper stage impact after  
493 controlled reentry.

494 The Offeror shall provide evidence for the applicable portions of the mission profile that have  
495 been flight demonstrated by the proposed launch vehicle or a relevant comparison launch  
496 vehicle. The Offeror shall identify any applicable portions of the mission profile that have not  
497 yet been flight demonstrated by the proposed launch vehicle or relevant comparison launch  
498 vehicle. For these applicable undemonstrated mission profile portions, the Offeror shall provide  
499 engineering and risk analyses of the affected launch vehicle subsystems. The Offeror shall  
500 provide mitigation approaches that address identified risks associated with the applicable  
501 undemonstrated portions of the proposed mission profile.

502 **7.4.1.3.2 Mission Unique Integration (Co-Manifested Payloads)**

503 The Offeror shall provide CONOPS for the integration of the two SVs. The Offeror shall  
504 describe the following: encapsulation processes, forward and aft payload access during  
505 integration and prior to final closeouts and meeting unique environmental control system  
506 requirements for both SVs while encapsulated on the launch pad. Furthermore, the Offeror shall  
507 describe its: launch environments for the two SVs, separation attitude and re-contact analyses,  
508 and multiple separation signal/circuit capabilities. In addition, the Offeror shall provide a  
509 detailed description of its approach for placing the augmented ESPA in the same initial orbit as  
510 the testbed SV per the Phase 3 GEO 1.5 IRD.

511 **7.4.1.3.3 GEO 1.5 Classified Payload Management**

512 The Offeror shall provide a detailed plan to manage and process classified payloads (Special  
513 Access Program/Special Access Required), and handle and protect classified mission data  
514 (requirements, analysis inputs and results). The proposed plan shall be supported by previously  
515 demonstrated efforts. If never demonstrated, the Offeror shall provide evidence-based rationale  
516 to support the proposed plan.

517 **7.4.2 CATEGORY B SYSTEM READINESS**

518 This element addresses the Offeror's launch system readiness with respect to the Launch System  
519 Maturity Assessment Process (LSMAP) (LE OI 17-001 dated 2 April 2018) and Offeror's plan to  
520 meet a 1 October 2026 launch date. Whether the Offeror is involved in current NSSL  
521 certification efforts or will need to initiate future NSSL certification efforts, the Offeror shall  
522 request, from the Government, LSMAP reports for its launch system(s) that meet all Category B  
523 requirements. The LSMAP captures any relevant demonstrated flight data of the proposed  
524 system. The Offeror shall append the LSMAP evaluation reports to its proposal. LSMAP  
525 evaluation reports will not count against page limit. The Government will request updated  
526 LSMAP reports during discussions and with the Final Proposal Revision (FPR).

527 **7.4.2.1 Category B System Technical Assessment**

528 In a narrative, the Offeror shall provide a summary of its Category B system LSMAP technical  
529 assessment and describe the primary drivers for the assessments. The Offeror shall describe  
530 plans to complete remaining NRDV, to include all data and support for USSF IV&V completion,  
531 for its Category B system. The Offeror shall provide the rationale, assumptions, supporting data,  
532 and methodology used to formulate its plans.

533 **7.4.2.2 Category B System Eastern Range Schedule Assessment**

534 In a narrative, the Offeror shall provide a summary of its Category B system LSMAP schedule  
535 assessment for launch capability for a mission with an ILC of 1 October 2026 from CCSFS  
536 and/or KSC. The Offeror shall describe the primary drivers for the assessment. The Offeror  
537 shall describe its plan to meet the ILC date using the proposed launch system. The Offeror shall  
538 provide the rationale, assumptions, supporting data, and methodology used to formulate its plans.

539 Secondary launch systems will not be considered a viable risk mitigation strategy for the Eastern  
 540 Range schedule assessment for meeting ILC dates.

541 **7.4.2.3 Category B System Western Range Schedule Assessment**

542 In a narrative, the Offeror shall provide a summary of its Category B system LSMAP schedule  
 543 assessment for launch capability for a mission with an ILC of 1 October 2026 from VAFB. The  
 544 Offeror shall describe the primary drivers for the assessment. The Offeror shall describe its plan  
 545 to meet the ILC date using the proposed launch system. The Offeror shall provide the rationale,  
 546 assumptions, supporting data, and methodology used to formulate its plans.

547 **7.5 SUBFACTOR 3: SIS CATEGORY C**

548 This Subfactor addresses the Offeror’s approach to launching sample NSSL Category C payload  
 549 envelope missions. These sample missions are illustrative of missions that could be assigned  
 550 under the Phase 3 contract; however, they are defined here for information purposes only. Each  
 551 mission has a supporting IRD. For the purposes of the proposal evaluation, sample  
 552 requirements, specified in the ITO, take precedence over the sample mission IRD. Additionally,  
 553 this Subfactor addresses the readiness of the Offeror’s proposed launch system(s) towards  
 554 meeting NSSL ILC dates for Category C missions.

555 **7.5.1 CATEGORY C SAMPLE MISSIONS**

556 **7.5.1.1 Category C GEO 2**

557 The following information is provided as context for addressing the specific requirements in the  
 558 following subparagraphs. This mission is a Category C GEO 2 mission. The orbital parameters  
 559 and injection accuracy requirements for the GEO 2 mission are those listed in SPRD Rev C  
 560 Tables 1 and 3. The GEO 2 Space Vehicle (SV) Mass-to-Orbit requirements are specified in  
 561 SPRD Rev C Table 1. Other mission-specific requirements are provided in the Phase 3 GEO 2  
 562 IRD. The following tables summarize performance requirements.

563 **Table 7.5.1.1-1: Mission Performance Requirements**

Nearest Ref Orbit	Payload Mass (lbm)	Apogee (nmi)	Perigee (nmi)	Inclination (deg)	Payload Envelope
GEO 2	14500	19323	19323	0	C

564 **Table 7.5.1.1-2: Mission Orbital Accuracy Requirements**

Nearest Ref Orbit	Apogee (nmi)	Perigee (nmi)	Inclination (deg)	Right Ascension of Ascending Node (RAAN) (deg)
GEO 2	±80	±80	±0.1	N/A

565 The following are mission-specific requirements provided for information purposes only:

- 566 a. Vertical integration with on-pad payload access
- 567 b. RF protected payload compartment from Payload Processing Facility (PPF) departure
- 568 through PLF separation per SIS Rev D, Appendix A.7
- 569 c. Mission Support Equipment (MSE) accommodations
- 570 d. Long coast
- 571 e. Five “Dipout” maneuvers during transfer orbit coast
- 572 f. 1 hour launch window with eclipse period avoidance constraints, any day of the year

573 **7.5.1.1.1 GEO 2 Mission Profile**

574 The Offeror shall describe its launch configuration for this sample mission. The Offeror shall  
 575 provide a mission profile including upper stage ODMSP compliant disposal approach. The  
 576 mission profile shall include the proposed launch site and significant sequence of events to  
 577 include times with respect to liftoff. At a minimum, the sequence of events shall include the  
 578 following mission profile events listed below (a-j). The Offeror shall address Launch Profile  
 579 Unique Maneuvers as required in the Phase 3 GEO 2 IRD, paragraphs 3.1.1, and 3.1.3 through  
 580 3.1.7. If an event is not applicable, the Offeror shall provide supporting rationale for its  
 581 exclusion.

- 582 a. First stage propulsion system(s) start
- 583 b. Solid rocket motor ignition (if applicable)
- 584 c. Solid rocket motor burnout and jettison sequence (if applicable)
- 585 d. First stage, and subsequent (if applicable), engine cutoff and separation event(s)
- 586 e. PLF jettison (if applicable)
- 587 f. Upper stage engine burn ignition(s), cutoff(s), dipout(s) timing, and coast time(s)
- 588 g. SV separation
- 589 h. Initiation of upper stage CCAM(s)
- 590 i. Upper stage disposal initiation (ODMSP compliant)
- 591 j. End of mission for upper stage, where end of mission is defined as the completion of
- 592 passivation with no further planned maneuvers, or through upper stage impact after
- 593 controlled reentry

594 The Offeror shall provide evidence for the applicable portions of the mission profile that have  
 595 been flight demonstrated by the proposed launch vehicle system or a relevant comparison launch  
 596 vehicle. The Offeror shall identify any applicable portions of the mission profile that have not  
 597 yet been flight demonstrated by the proposed launch vehicle system or relevant comparison  
 598 launch vehicle. For these applicable undemonstrated mission profile portions, the Offeror shall  
 599 provide engineering and risk analyses of the affected launch vehicle subsystems. The Offeror  
 600 shall provide mitigation approaches that address identified risks associated with the applicable  
 601 undemonstrated portions of the proposed mission profile.

602 **7.5.1.1.2 GEO 2 Mission Support Equipment (MSE) Accommodations**

603 The Offeror shall describe its approach to providing mechanical interfaces to the SV-provided  
604 MSE as described in SIS Rev D, Appendix A, paragraph A.8 and Phase 3 GEO 2 IRD,  
605 paragraphs 3.1.6 and 3.2.3.2. The Offeror shall describe analysis demonstrating that the  
606 mechanical interface is able to withstand launch and ascent loads while maintaining adequate  
607 positive clearance between the retracted MSE and the SV during all applicable flight events. The  
608 Offeror shall describe its approach to facilitate MSE installation by the Launch Service  
609 Integration Contractor (LSIC) during the encapsulation process. The Offeror shall describe its  
610 capability to issue the MSE arm and fire discrete commands, including timing of MSE firing  
611 commands to support MSE release.

## 612 **7.5.2 CATEGORY C SYSTEM READINESS**

613 This element addresses the Offeror's launch system readiness with respect to the LSMAP (LE OI  
614 17-001 dated 2 April 2018) and the Offeror's plans to complete NRDV by L-12 months prior to  
615 1 October 2026. Whether the Offeror is involved in current NSSL certification efforts or will  
616 need to initiate future NSSL certification efforts, the Offeror shall request, from the Government,  
617 LSMAP reports for its launch system that meets all Category C requirements. The LSMAP  
618 captures any relevant demonstrated flight data of the proposed system. The Offeror shall append  
619 the LSMAP evaluation reports to its proposal. LSMAP evaluation reports will not count against  
620 page limit. The Government will request updated LSMAP reports during discussions and with  
621 the Final Proposal Revision (FPR).

### 622 **7.5.2.1 Category C System Technical Assessment**

623 In a narrative, the Offeror shall provide a summary of its Category C system LSMAP technical  
624 assessment and describe the primary drivers for the assessment. The Offeror shall describe plans  
625 to complete remaining NRDV, to include all data and support for USSF IV&V completion, for  
626 its Category C system. The Offeror shall provide the rationale, assumptions, supporting data,  
627 and methodology used to formulate its plans.

### 628 **7.5.2.2 Category C System Eastern Range Schedule Assessment**

629 In a narrative, the Offeror shall provide a summary of its Category C system LSMAP schedule  
630 assessment for a launch capability from CCSFS or KSC. The Offeror shall describe the primary  
631 drivers for the assessment. The Offeror shall describe its plan to meet an ILC of 1 October 2026  
632 for a mission requiring vertical integration from CCSFS or KSC. The Offeror shall provide the  
633 rationale, assumptions, supporting data, and methodology used to formulate its plan.

### 634 **7.5.2.3 Category C System Western Range Schedule Assessment**

635 In a narrative, the Offeror shall provide a summary of its Category C system LSMAP schedule  
636 assessment for a launch capability from VSF. The Offeror shall describe the primary drivers  
637 for the assessment. The Offeror shall describe its plan to meet an ILC of 1 October 2026 from  
638 VSF. The Offeror shall provide the rationale, assumptions, supporting data, and methodology  
639 used to formulate its plan.

640 **7.6 SUBFACTOR 4: SYSTEM RISKS AND MITIGATIONS**

641 For the launch vehicle or family of launch vehicles being offered, the Offeror shall identify the  
642 top technical risks. Specifically, these would be technical risks that have the potential to result in  
643 less than full compliance with NSSL performance or interface requirements. For each identified  
644 technical risk, the Offeror shall provide a corresponding risk mitigation plan and schedule  
645 (“waterfall” chart and narrative), which should address off-ramps as appropriate. Each risk  
646 mitigation narrative shall address the expected effectiveness of the plan and associated  
647 uncertainties and be informed by flight data where applicable.

648 The Offeror shall provide the top technical risk(s) and corresponding mitigations, or confirm no  
649 risks apply to compliance, in each of the following areas:

- 650 a. Booster Stages (e.g., rocket propulsion system, structures, avionics, software)
- 651 b. Upper Stages (e.g., rocket propulsion system, structures, avionics, software)
- 652 c. Long Coast Capability (e.g., GEO 1, GEO 1.5, and GEO 2)
- 653 d. Infrastructure (e.g., production, launch, and recovery/refurbishment, as applicable)
- 654 e. Design (e.g., new and modifications to existing design)
- 655 f. RF Attenuation Approach (e.g., Molniya and GEO 2)
- 656 g. Development and qualification risks (e.g., anomalies, design changes)
- 657 h. Operational (e.g., production, system integration, launch, recovery, or refurbishment)
- 658 i. Vertical integration (e.g., SV processing and encapsulation, post encapsulation access,  
659 and launch operations)
- 660 j. LV/SV interface risks (e.g., loads, vibration, shock (especially Molniya and GEO 2),  
661 thermal, acoustic, Electromagnetic Interference (EMI), and contamination)
- 662 k. Requirements flow down to subcontractors
- 663 l. One additional top risk if not covered above

664 The Government reserves the right to identify additional technical risks, for which the Offeror  
665 shall provide corresponding risk mitigation plans.

666 **8 FACTOR 2: PAST PERFORMANCE**

667 **a. General**

668 The Offeror shall submit Present and Past Performance Information for itself and any joint  
669 venture member, in accordance with the format contained in the Past Performance Information  
670 (PPI) Form (see Attachment 12 Appendix A) and the following paragraphs.

671 **b. Past Performance Format**

- 672 i. The requested present and past performance information shall be provided in a separate  
673 volume (i.e., 3-ring binder) labeled “**Volume IV – Past Performance**”. **A summary page shall**  
674 **be provided for this acquisition, describing the proposed role of the offeror and any joint**  
675 **venture member (nature of work and percentage of overall work).**

676 ii. Each Offeror/joint venture member shall complete a separate PPI Form (Attachment 12  
677 Appendix A) for five (5) active or completed contracts (with at least one year of performance  
678 history) in the past five (5) years from the issuance date of the RFP, that the offeror/joint venture  
679 member considers relevant in demonstrating its ability to perform the proposed effort. The  
680 evaluation of the Offeror's/joint venture member's present/past performance WILL NOT include  
681 the present/past performance of any predecessor companies, affiliates, other divisions or  
682 corporate management, even though they may perform major or critical aspects of this  
683 requirement. The PPI Form (Attachment 12, Appendix A) shall clearly indicate the division or  
684 corporate organization that performed or is presently performing the contract. Contracts listed  
685 may include those with the Federal Government, state and local governments or their agencies,  
686 and commercial customers.

687 **c. Ordering Type Contracts Submission**

688 i. If the contract you are submitting is an ordering type contractual vehicle (for example,  
689 including but not limited to an Indefinite Delivery "D" type contract per FAR 16.5), only after  
690 issuance of a delivery/task order does performance occur. Given this, an individual order (or  
691 series of orders) under the basic ordering contract shall be submitted, in lieu of just the basic  
692 ordering contract itself. All information provided to the Government, for an ordering type  
693 contractual vehicle, shall be at the order level (i.e., a delivery/task order).

694 When determining what order (or series of orders) to submit for evaluation, please reference  
695 Attachment 13, Evaluation Criteria, Paragraph 8 which details on how the Government will  
696 evaluate each submitted effort for recency, relevancy, and quality. In order to achieve optimal  
697 scope and magnitude of effort and complexities, as described in Attachment 12 Paragraph 8, the  
698 Offeror should consider submitting a series of orders, if possible. However, a series of orders  
699 should only be submitted if the series of orders is for continuous technical scope demonstrating  
700 relevancy to the instant acquisition. Not all ordering type contractual vehicles will have series of  
701 orders that meet this criteria. In this instance, only the single order demonstrating relevant  
702 technical scope should be submitted for evaluation.

703 ii. When submitting an individual order (or series of orders) under an ordering type contractual  
704 vehicle, it is important that the offeror's past performance information be accurate, complete, and  
705 in the correct format. If the information is not submitted in the correct format, the Government  
706 will not be able to evaluate the effort for recency, relevancy, and quality. There are specific  
707 places for submission of this information in the PPI Form (Attachment 12 Appendix A). Please  
708 ensure the information submitted, in the PPI Form (Attachment 12 Appendix A), is for each  
709 order (or series of orders), in lieu of just the basic ordering contract itself. This includes but is not  
710 limited to information such as the dollar value and period of performance for each order or series  
711 of orders. See paragraph iii below for further information on how to submit series of orders.

712 iii. Series of Orders. When submitting a series of orders for evaluation, the Offeror should list  
713 the orders under the basic ordering type contractual vehicle that demonstrate relevancy, as  
714 defined in the Relevancy Definitions in Attachment 13, Evaluation Criteria, Paragraph 8. Per

715 Attachment 13 Paragraph 8, Relevancy consists of not only technical complexities, but  
716 programmatic considerations. The programmatic considerations include dollar value and length  
717 of effort. If an Offeror submits a series of orders for evaluation, the total dollar value of each  
718 order (in the series of orders), the period of performance dates of each order (in the series of  
719 orders) and the total quantity produced on each order (in the series of orders) shall be submitted.  
720 The total dollar value of each order (in the series of orders) shall be added up to calculate the  
721 Total Dollar Value to be used in the evaluation, for the submitted effort. The total period of  
722 performance of each order (in the series of orders) shall be added up to calculate the Total Period  
723 of Performance to be used in the evaluation, for the submitted effort. The total quantity produced  
724 on each order (in the series of orders) shall be added up to calculate the Total Quantity Produced  
725 to be used in the evaluation, for the submitted effort.

726 Caution: All orders within the series of orders, being submitted, should be for the same  
727 continuous technical scope demonstrating relevancy to the instant acquisition. The Government  
728 reserves the right to request additional information from the Offeror or Points of Contacts  
729 provided to verify that the series of orders is for the same continuous technical scope.

#### 730 **d. Teaming Member Consent Form**

731 In addition to the information provided in the PPI Form (Attachment 12 Appendix A) for each  
732 entity as required above, the Offeror must submit a consent letter executed by each of its  
733 proposed teaming member(s) authorizing release of adverse past performance information to the  
734 prime offeror to allow the prime offeror an opportunity to respond. A sample Teaming Partner  
735 Consent Form is attached (see Attachment 12 Appendix B). The consent form shall be completed  
736 by the team member(s) identified in your proposal. The completed consent forms shall be  
737 submitted as part of your Past Performance Volume IV.

#### 738 **e. PPI Form**

739 The Offeror/joint venture member, if applicable, shall focus its PPI Form responses so that they  
740 clearly correlate present and past performance with the requirements of this RFP. The PPI Form  
741 responses must clearly describe the relevance of the effort to the work proposed. The answering  
742 space on the PPI Form may be expanded so that the filled-in PPI Form for each relevant contract  
743 covers no more than both sides of four (3) 8 ½ x 11-inch pages (i.e., no more than eight (8)  
744 pages). Provide the most current information for the Points of Contact (POCs) identified on the  
745 PPI Form. At least two of the following (in descending order of availability) should be identified  
746 as current POCs on the PPI Form:

- 747 i. Program/Project Manager, or equivalent
- 748 ii. Procuring Contracting Officer/Contract Negotiator or equivalent
- 749 iii. Administrative Contracting Officer/Contract Administrator or equivalent
- 750 iv. Other (as specified in your PPI Form)

751 If problems were encountered during the performance of the identified contracts, provide  
752 evidence of the ability to isolate the root causes of problems and include in the PPI Form a  
753 description of programs or actions taken to resolve those causes. Problems not addressed in the  
754 PPI Form but found by the Government during the evaluation of the information in this volume,  
755 will be assumed to still exist. Note: In the case of Contractor Performance Assessment Report  
756 System (CPARS), if your input has already been provided and the rationale/circumstances have  
757 not changed, DO NOT repeat them here.

758 **f. Past Performance Questionnaire (PPQ)**

759 The Present/Past Performance Questionnaire (see Attachment 12 Appendix C) will be one means  
760 used by the Government to obtain present/past performance information. The Government  
761 reserves the right to change, alter, and/or supplement the questionnaire without further notice to  
762 the offeror(s). The Offeror shall send out and track the completion of the Present/Past  
763 Performance Questionnaires (see Attachment 12 Appendix C) to each of the offeror's, joint  
764 venture member's (i.e., each entity's) Points of Contact (POCs) identified in each PPI Form.  
765 The responsibility to send out and track the completion of the Present/Past Performance  
766 Questionnaires rests solely with the Offeror - i.e., it shall not be delegated to any other entity.  
767 The Transmittal Letter (see Attachment 12 Appendix D) shall be used by the Offeror in sending  
768 out the Present/Past Performance Questionnaires. Exert your best effort to ensure that at least  
769 two POCs per relevant contract submit a completed Present/Past Performance Questionnaire  
770 **directly to the Government not later than the date established in the RFP for receipt of**  
771 **proposals**. POCs may submit their completed Present/Past Performance Questionnaire either  
772 electronically or by mail. If sending electronically, follow the procedures outlined in paragraph  
773 3.1 Point of Contact above, and email to: [kirsten.precht@spaceforce.mil](mailto:kirsten.precht@spaceforce.mil). If mailing, the POCs  
774 may return the completed questionnaires via mail directly to:

775 SSC/AAK  
776 ATTN: Ms. Kirsten Prechtl  
777 483 N. Aviation Blvd  
778 El Segundo, CA 90245  
779 Reference: RFP# FA8811-  
780

781 If mailing, the outside envelope must be marked as follows:

782

783 **NOTE: TO BE OPENED BY ADDRESSEE ONLY**

784 The completed questionnaires should be contained in a second envelope marked with the mailing  
785 address and the following legend:

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787 **SOURCE SELECTION INFORMATION - See FAR 2.101 and 3.104**

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Once the Present/Past Performance Questionnaires are completed by your POCs, the information contained therein shall be considered source selection sensitive and shall not be released to you, the offeror. Therefore, any exchange/contact between the offeror/joint venture member and its own POCs in regard to comments made on the questionnaire is not permitted.

**g. Client Authorization Letter**

In the event that commercial contracts are presented as present/past performance sources of information, a client authorization letter shall be issued to those commercial POCs requesting/authorizing them to complete a PPQ. A sample client authorization letter is attached to this RFP (see Attachment 12 Appendix E). The Offeror is required to send the client authorization letter(s) with the PPQ(s) to each POC on commercial contracts. A separate copy of client authorization letter(s) for each commercial contract shall be included in the Offeror's Present/Past Performance submission for the Government's use in case additional questionnaires need to be sent by the Government after the RFP due date.

**h. Follow-up Discussions**

The Government may conduct follow-up discussions with any of the people identified in the PPI Form or in the Offeror's Present/Past Performance Volume. Pursuant to FAR 15.305(a)(2)(ii), the Government may obtain other information by sending out additional questionnaires and/or through other sources, other than those listed within the PPI Forms.

**i. RFP Attachment Legend**

Attachment 12 Appendices A (PPI Form) and C (PPQ) must include the following legend at the top and bottom of the page:

SOURCE SELECTION INFORMATION - See FAR 2.101 and 3.104

FOR OFFICIAL USE ONLY

**9 FACTOR 3: SMALL BUSINESS PARTICIPATION**

**9.1 RESERVED**

**9.2 SMALL BUSINESS PARTICIPATION**

**9.2.1 SMALL BUSINESS SUBCONTRACTING PLAN**

Other than Small Business (OTSB) Offerors shall submit a Small Business Subcontracting Plan IAW FAR 52.219-9 including information required in paragraphs (d) (1) through (d) (15) of that clause. The Small Business Subcontracting Plan must be determined to be acceptable by the PCO in order for the Offeror to be eligible for contract award.

Offerors shall ensure that the information provided in the Small Business Subcontracting Plan is consistent with the information included in the Small Business Participation Commitment Document.

825 If the Offeror is operating under a DoD Comprehensive Subcontracting Plan IAW DFARS  
826 252.219-7004, or a Commercial Subcontracting Plan, the Offeror shall submit that document.  
827 To be considered for award, the submitted document must be current and valid as of the date of  
828 its submission in response to this solicitation.

829 The Small Business Subcontracting Plan or DoD Comprehensive or Commercial Subcontract  
830 Plan for each successful Offeror will be incorporated into their respective contract as Attachment  
831 3.

### 832 **9.2.2 SMALL BUSINESS PARTICIPATION COMMITMENT DOCUMENT**

833 IAW Defense FAR Supplement (DFARS) 215.304(c)(i), the extent to which Offerors identify  
834 and commit to small business participation shall be evaluated in other than lowest priced  
835 technically acceptable acquisitions. All Offerors, including small businesses and those OTSB  
836 companies operating under a DoD Comprehensive Subcontracting Plan or a Commercial  
837 Subcontracting Plan, shall submit a Small Business Participation Commitment Document  
838 (SBPCD), which specifies the Offeror's level of commitment to small business utilization in  
839 performance of this requirement. The SBPCD shall address the following:

- 840 a. The quantitative degree (based on the percentage of Total Launch Service price) to which  
841 the Offeror will utilize small business (including small disadvantaged business, women-  
842 owned small business, historically underutilized business zone (HUB Zone) small  
843 business, veteran-owned small business, and service-disabled and veteran-owned small  
844 business). A minimum quantitative requirement (MQR) of 4% or better of the Total  
845 Launch Service price (CLINs 0001, 0002, and 0003) for small business participation is  
846 required. The 4% may be met by each launch service task order, or on an average basis  
847 for all launch services ordered in a year. Small business primes may take credit for their  
848 performance in calculating the 4% or better participation. Small business participation  
849 constitutes small business utilization contributions to contract performance at the first tier  
850 subcontract level only.
- 851 b. Identification of participating small businesses by type of business, product/service,  
852 dollar value, timeframe, as available.
- 853 c. The complexity and variety of the work small firms are to perform.
- 854 d. Enforceable commitments to use such firms. Enforceable commitments (e.g., fully  
855 executed teaming agreement, planned purchase order, signed letters of commitment, etc.)  
856 are more convincing than non-enforceable ones. The Offeror shall submit evidence of  
857 the existence of at least three (3) enforceable commitments to use small business in the  
858 performance of this effort. (Note: this information will not be incorporated into the  
859 resultant contract.)

860 The SBPCD for each successful Offeror will be incorporated into their respective contract as  
861 Attachment 4.

862 **10 FACTOR 4: PRICE**

863 All proposed pricing inputs shall be returned to the Government as a part of Volume VI, Price,  
864 and are required to be input into Appendix F of this attachment. Offerors shall provide pricing  
865 inputs in the following areas:

- 866 1. Directly related to mission task orders – Basic Launch Service, Mission Acceleration,  
867 Mission Unique Services
- 868 2. Annual Task Order Pricing – Launch Service Support (LSS), Fleet Surveillance (FS), and  
869 Government Property rental
- 870 3. Studies – Quick Reaction and Anomaly Resolution, Special Studies, Early Integration  
871 Studies (EIS)/Mission Analyses

872 Offeror’s price inputs shall be given for the entire period of performance (PoP) – from  
873 anticipated Authority to Proceed (ATP) through PoP expiration. All CLINs under number 1  
874 above will be procured on a Fiscal Year (FY) basis. All CLINs under number 2 above will be  
875 procured on an annual basis with ATP commencing at contract award and ending at PoP  
876 expiration in 2032. These should be priced accordingly. The Offeror shall fill out Appendix F  
877 IAW the instructions in the first tab. The Government will calculate one TEP from the Offeror’s  
878 pricing inputs. The TEP is the weighted summation based on Government potential  
879 requirements from years 2025 through 2032, as described in Section 10.4.

880 Each CLIN price must be independent of the other CLIN prices. All pricing inputs should  
881 correspond to the year being priced (e.g., basic launch services ordered in FY 2025 should use  
882 FY 2025 “dollars” for the offered price). All prices should be rounded to the nearest dollar.

883 If, after receipt of proposals, the PCO determines that there is insufficient data available to  
884 determine price reasonableness, the Offeror shall be required to submit additional data other than  
885 certified cost or pricing data IAW FAR 15.403-1(b) and 15.403-3(a).

886 **10.1 BASIC LAUNCH SERVICE PRICE**

887 **10.1.1 MULTIPLE CONFIGURATIONS FOR VARYING MASS-TO-ORBIT PRICING TABLE – ORDER**  
888 **YEAR PRICING**

889 The Offeror shall provide a basic launch service price for each of the SPRD Rev C Tables 1 and  
890 2 reference orbits for a range of maximum mass-to-orbit Appendix F. The primary (first) LV  
891 configuration listed shall be the configuration that meets or exceeds the SPRD Rev C Tables 1  
892 and 2 mass-to-orbit requirements. The basic launch service price shall include all work  
893 delineated in Attachment 1, PWS, with the exception of Section 3.4, Mission Integration (MI),  
894 and those paragraphs identified as Launch Service Support (LSS), Mission Unique (MU), Fleet  
895 Surveillance (FS) or “Multi-manifest-only.” These items will be priced separately. The Offeror  
896 shall propose pricing in the Price Input tabs of Appendix F.

897 The purpose of the mass-to-orbit pricing table within Appendix F is two-fold. First, it enables  
898 the Offeror to propose a number of configurations that support the orbital parameters of a

899 specific mission yet are tailored to lower mass-to-orbit. Second, based on the Offeror's proposal,  
900 it enables the Government to avoid buying excess capability when not needed. The Offeror shall  
901 describe each configuration priced to include PLF size. If the Offeror intends to recover launch  
902 vehicle hardware, the Offeror shall ensure that the performance required to recover the hardware  
903 is bookkept under its contractor performance reserves and so indicate in its configuration  
904 description. The actual launch service price paid per launch will be a sum of the basic launch  
905 service price plus mission-specific enhancements. The Offeror shall describe the specific  
906 items/services that are included in the basic launch service price.

907 The Offeror shall propose pricing in the Pricing Tables tab of Appendix F, which will be  
908 incorporated into the contract and become the ordering table for the Government given a specific  
909 launch system configuration. The prices in the Pricing Tables tab must be consistent with the  
910 prices in the Notional Weights tab.

#### 911 **10.1.2 MISSION ACCELERATION**

912 The Offeror shall provide a Mission Acceleration single mission price for SIS Category B SPRD  
913 Rev C Tables 1 and 2 reference orbits, by year for three, six, nine, and twelve month  
914 accelerations in Appendix F. The Offeror shall provide this price as a dollar value for the  
915 respective acceleration timelines. This price will be weighted and added to the TEP assuming  
916 four accelerated missions per year. The proposed price should assume any Mission Unique  
917 Services (CLIN 0002 and 0003) identified for the mission will also be accelerated. The proposed  
918 price should assume that an EIS was accomplished for the mission or one very similar to it. If  
919 assigned an accelerated mission, the Offeror shall proceed so as to launch at the accelerated ILC.  
920 Launch Schedule Acceleration procedures are delineated in Attachment 10 of the Model  
921 Contract.

#### 922 **10.2 MISSION UNIQUE SERVICES**

923 The Offeror shall provide prices for the mission unique services by inserting them into the Price  
924 Input tabs of Appendix F. Offerors should price the scope of these items to the maximum extent  
925 practicable without including pricing that would otherwise also be priced under a separate  
926 Mission Unique item in the pricing table. For example, if MSE Accommodations are included in  
927 the bundle service but are also priced elsewhere individually, exclude MSE Accommodations  
928 from the bundle service price. All instances where pricing was intentionally not included per the  
929 above guidance shall be clearly identified in the Offeror's proposal.

930 As needed, these mission unique services will be identified by the Government at the time of the  
931 launch order. The Government reserves the right to order all other additional unique services for  
932 a specific mission until L-12 months for that mission. The Offeror shall describe specifically  
933 what they are offering for the prices for the mission unique services identified.

934 **10.3 OTHER REQUIRED PRICING TABLES**

935 **10.3.1 GOVERNMENT PROPERTY (GP)**

936 If the Offeror requires the use of GP, the Offeror shall utilize the notional Table 10.3.1-1 to  
 937 complete the GP Rental tab in Appendix F, using the acquisition cost information from  
 938 Attachment 6, Government Property, and the rental equivalency method described in FAR  
 939 52.245-9(e)(2) as laid out below:

- 940 a. In Column (A), identify the requested GP
- 941 b. In Column (B), identify the acquisition cost
- 942 c. In Column (C), multiply column (B) by 2% (round to the nearest dollar) to determine the  
 943 monthly acquisition cost of the item and list the dollar value
- 944 d. In Column (D), divide column (C) by 720 to determine the hourly rental rate (round to  
 945 the nearest cents) and list the dollar value
- 946 e. In Column (E), propose the rental time required (round to the nearest whole hour) for the  
 947 Period of Performance and list the value; “rental time” is defined in 52.245-9(a)
- 948 f. In Column (F), multiply column (D) by (E) (round to the nearest dollar) to determine the  
 949 total rental charge for the requested item and list the dollar value
- 950 g. Add the sum of Rental Charges in Column (F).

951 **Table 10.3.1-1: Notional Example Only: Rental Equivalency for Government Property Use**

(A) Item Requested	(B) Acquisition Cost (\$)	(C) Monthly Acquisition Cost (Multiply B by 2%) (\$)	(D) Hourly Rental Rate (Divide C by 720) (\$)	(E) Rental Time (hrs)	(F) Rental Charge (Multiply D by E) (\$)
*Item A	\$100,000	\$2,000	\$2.78	400	\$1,112
*Item B	\$77,777	\$1,556	\$2.16	250	\$540
<b>Sum of Rental Charges for All GP Items: (Insert Sum into Attachment 7)</b>					<b>\$1,652</b>

952 *\* Notional cost figures are included in the table as examples only*

953 **10.3.2 LAUNCH SERVICE SUPPORT**

954 The Offeror shall provide an LSS price by year in Appendix F. The LSS ATP will commence at  
 955 contract award and end with the eighth PoP year expiration in 2032. No single year LSS price  
 956 shall exceed \$100,000,000, and the price and scope of work of this CLIN shall not be included in  
 957 the price and scope of work of any other CLIN.

958 The Offeror shall describe the activities supported under the LSS. LSS requirements are defined  
 959 in the Phase 3 PWS, as annotated by paragraph designation “LSS.”

960 If a Phase 2 provider is awarded a Phase 3 Lane 2 contract, the Government will not execute LSS  
961 task orders against that provider's respective Phase 2 contract. The Offeror, therefore, must  
962 ensure its proposed annual prices for LSS accounts for the entire scope of the Phase 3 Lane 2  
963 LSS requirement.

#### 964 **10.3.3 FLEET SURVEILLANCE**

965 The Offeror shall provide a FS price by year in Appendix F. The FS ATP will commence at  
966 contract award and end with the eighth PoP year expiration in 2032.

967 The Offeror shall describe the activities supported under the FS. FS requirements are defined in  
968 the Phase 3 PWS, as annotated by paragraph designation "FS."

969 If a Phase 2 provider is awarded a Phase 3 Lane 2 contract, the Government will not execute FS  
970 task orders against that provider's respective Phase 2 contract. The Offeror, therefore, must  
971 ensure its proposed annual prices for FS accounts for the entire scope of the Phase 3 Lane 2 FS  
972 requirement.

#### 973 **10.3.4 QUICK REACTION AND ANOMALY RESOLUTION**

974 CLIN 0005 carries 100,000 hours per fiscal year for quick reaction and anomaly resolution  
975 activities as described in PWS paragraph 3.7. The Offeror shall provide a composite labor rate  
976 by fiscal year for use in this CLIN in Appendix F.

#### 977 **10.3.5 SPECIAL STUDIES**

978 CLIN 0006 carries 100,000 hours per fiscal year for special studies as described in PWS  
979 paragraph 3.10. The Offeror shall provide a composite labor rate by fiscal year for use in this  
980 CLIN in Appendix F.

#### 981 **10.3.6 EARLY INTEGRATION STUDIES (EIS)**

982 The Offeror shall provide a firm fixed price for the performance of EIS tasks in Appendix F. An  
983 EIS is generally awarded one year prior to the expected reference mission assignment (order)  
984 year; therefore, pricing is only required through the fifth order year as described in the  
985 Instructions to Offerors tab in Appendix F. The first EISs under the Phase 3 contract will be  
986 awarded shortly after ATP for launches ordered for order year two.

987 EIS efforts are described in PWS Section 3.9 and may include early mission integration analysis  
988 tasks, creation of draft Interface Control Documents (ICDs) to document LV-to-SV interface  
989 requirements, initial Payload Adapter design, and Ground Operations planning. Specific  
990 interface analysis tasks may include acoustic analysis, contamination analysis, integrated thermal  
991 analysis, early coupled loads analysis, GN2 purge and monitoring, battery cooling, trajectory,  
992 and mission design. Specific Ground Operations planning tasks may include SV integration,  
993 trailblazer, RF monitoring, lightning monitoring, Electromagnetic Interference (EMI)/RF  
994 compatibility, and security.

995 The Government reserves the right to leverage the Offeror’s proposed EIS prices on the NRO-  
996 issued and executed companion contract using the agreed-to pricing in the Pricing Tables tab of  
997 Appendix F for required NRO LEI efforts.

998 **10.4 TOTAL EVALUATED PRICE (TEP)**

999 The TEP for the Phase 3 Launch Service Procurement will be the weighted sum of the following  
1000 items over the PoP:

- 1001 a) The Basic Launch Service Price for each fiscal year, identified by reference orbit and  
1002 mass-to-orbit, plus,
- 1003 b) The Mission Integration price for each launch service, plus,
- 1004 c) The Acceleration price applied four times per year for fiscal years 1-5, plus,
- 1005 d) For each fiscal year, for each mission, the associated Mission Unique Services, plus,
- 1006 e) The total Rental Equivalency for Government Property Use amount, plus,
- 1007 f) The annual LSS price by order year, plus,
- 1008 g) The annual FS price by order year, plus,
- 1009 h) The dollarized value for Quick Reaction, and Anomaly Resolution based upon  
1010 multiplying 100,000 hours by the proposed composite rate, plus,
- 1011 i) The dollarized value for Special Studies based upon multiplying 100,000 hours by the  
1012 proposed composite rate, plus,
- 1013 j) For non-NRO missions, Early Integration Studies (EIS), based upon specific study  
1014 components priced individually for all order years.

1015 TEP will be calculated using the weighted sum of items a through j above. This is further  
1016 detailed in the Total Evaluated Price tab in Appendix F. The weightings included in the Total  
1017 Evaluated Price tab are examples only. The Government will apply different weightings during  
1018 the source selection that are sample of the expected requirements in the ordering period. These  
1019 weightings will be generated prior to the receipt of proposals.

1020 **11 MODEL CONTRACT**

1021 **11.1 GENERAL INSTRUCTIONS**

1022 The purpose of this volume is to provide information to the Government for preparing the  
1023 contract document and supporting file. The Offeror’s proposal shall include one (1) signed and  
1024 dated copy of the Standard Form (SF) 1449, delivered with the fillable sections detailed below.  
1025 The original shall be clearly marked and shall be provided without any punched holes. The  
1026 SF1449 shall not have any proprietary markings. Fill in all blanks in the Solicitation.  
1027 Specifically, complete the following:

1028 **11.2 SF1449 SOLICITATION/CONTRACT FORM**

1029 The Offeror shall complete blocks 12, 17, and 30 on the SF 1449 – Solicitation/Contract/Order  
1030 for Commercial Items. The Offeror shall use the SF 1449 Continuation Pages in place of

1031 completing blocks 19, 20, 21, 22, and 23. The signature by the Offeror on the SF 1449  
1032 constitutes an offer, which the Government may accept.

1033 **11.3 DEFENSE PRIORITIES AND ALLOCATIONS SYSTEM RATING OF CONTRACT**

1034 Under Defense Priorities and Allocations System (DPAS) (15 CFR 700), the overall contract  
1035 rating is DX. The highest payload rating, either DO or DX, will set individual mission ratings.

1036 **11.4 CONTRACT DOCUMENTS, EXHIBITS AND ATTACHMENTS**

1037 **11.4.1 ATTACHMENT 2: DD FORM 254**

1038 The Offeror shall complete the DD Form 254 SCI Addendum.

1039 **11.4.2 ATTACHMENT 3: SMALL BUSINESS SUBCONTRACTING PLAN**

1040 The Offeror shall provide a Small Business Subcontracting Plan IAW FAR 52.219-9 and Air  
1041 Force Federal Acquisition Regulation Supplement 5319.704. The subcontracting plan will be  
1042 incorporated into the contract and assessed IAW FAR 19.704.

1043 **11.4.3 ATTACHMENT 4: SMALL BUSINESS PARTICIPATION COMMITMENT DOCUMENT**  
1044 **(SBPCD)**

1045 The Offeror shall provide an SBPCD IAW Paragraph 9.2.2. The SBPCD will be incorporated  
1046 into the contract.

1047 **11.4.4 ATTACHMENT 6: GOVERNMENT PROPERTY**

1048 If the Offeror requires the use of GP, the Offeror shall complete and submit Attachment 6,  
1049 Government Property, IAW procedures and definitions detailed in DFARS 245.103-72 and  
1050 245.201-70. For more information, see the Department of Defense Procurement Toolbox at  
1051 <http://www.dodprocurementtoolbox.org/site/detail/id/26>. Failure to complete each applicable  
1052 data field in Attachment 6 may render the proposal unawardable. For each item of GP requested,  
1053 the “Use As Is” column shall be filled in as “true.”

1054 For each item of GP requested, the Offeror shall provide a written authorization of availability  
1055 and confirmation of the acquisition cost from the cognizant Administrative Contracting Officer  
1056 (ACO). GP proposed without an authorization from the cognizant ACO may render the proposal  
1057 unawardable. All supporting documentation associated with GP shall be submitted outside of the  
1058 model contract within Volume III (Price).

1059 **11.4.5 ATTACHMENT 7: PRICING TABLES**

1060 As stated in 10.1.1, the Offeror’s completed Pricing Tables tab in Appendix F will be  
1061 incorporated into the contract and become the ordering table for the Government given a specific  
1062 launch system configuration.

1063 **11.4.6 ATTACHMENT 8: PAYMENT PLAN**

1064 A payment plan will be filled out for each individual launch service when ordered. These plans  
1065 will become an attachment to the contract when launch service task orders are issued. IAW FAR  
1066 32.204 alternative financing terms shall not be accepted.

1067 **11.4.7 ATTACHMENT 11: POTENTIAL ORGANIZATIONAL CONFLICT OF INTEREST (OCI)**

1068 The Offeror shall perform its own OCI analysis and submit the results of that analysis as part of  
1069 its proposal and provide an OCI plan to be incorporated as Attachment 11 to any resulting  
1070 contract/order, **only** if there is an actual or potential OCI.

1071 If the Offeror deems there is an actual or potential OCI, the Offeror shall analyze the planned  
1072 acquisition for actual or potential OCI situations associated with its or any of its teammate's or  
1073 subcontractor's performance under any contract it or any of its teammates or subcontractors has  
1074 been or may be awarded by any federal agency or other entity. The Offeror shall describe in  
1075 detail the methodology used to identify actual or potential OCI issues. At a minimum, the OCI  
1076 plan shall address all of the items identified in Appendix G, SSC OCI Mitigation Plan Checklist.  
1077 Any proposed avoidance or mitigation techniques shall be consistent with FAR subpart 9.5 and  
1078 the most recent decisions of the Government Accountability Office and the United States Court  
1079 of Federal Claims.

1080 If award is made to the Offeror, the resulting contract may include an organizational conflict of  
1081 interest limitation applicable to subsequent Government work, at either a prime contract level, at  
1082 any subcontract tier, or both. During evaluation of proposals, the Government may, after  
1083 interactions with the Offeror and consideration of ways to mitigate or avoid identified actual or  
1084 potential conflicts of interest, insert a clause or term and condition in the resulting contract which  
1085 disqualifies the Offeror from further consideration for award of future contracts. An offeror can  
1086 be eliminated from the competition if the Government determines it has an unmitigable OCI.

1087 **11.5 SOLICITATION PROVISIONS**

1088 All representations and certifications must be completed IAW FAR 52.212-3, Offeror  
1089 Representations and Certifications – Commercial Items, of the model contract. Offerors may  
1090 complete the representations and certifications in the Online Representations and Certifications  
1091 (ORCA) system via sam.gov. All representations and certifications not completed in the online  
1092 database shall be provided within the Offeror's proposal.

1093 **11.6 SIGNATURE**

1094 The Offeror's signature on the SF 1449 constitutes an offer, which the Government may or may  
1095 not accept. Proposals without signatures may warrant a rejection of the proposal submittal.  
1096 Offerors are required to meet all solicitation requirements, including terms and conditions,  
1097 representations and certifications, and technical requirements. Therefore, any tailoring to the  
1098 solicitation is not allowed and may warrant a rejection of the proposal.

1099 **11.7 CONTRACTOR RESPONSIBILITY**

1100 **11.7.1 SPACE CONTRACTOR RESPONSIBILITY WATCH LIST (CRWL)**

1101 In accordance with Section 1612 of the National Defense Authorization Act (NDAA) for Fiscal  
1102 Year (FY) 2018 (P.L. 115-91) and SSC Instruction (SSCI) 64-101, the PCO may not award a  
1103 contract to a contractor included on the CRWL without making a determination of responsibility  
1104 and obtaining the approval of the SSC Commander. A contractor that has been notified that it  
1105 has been added to the CRWL may respond to this solicitation but must submit documentation in  
1106 this volume describing how it has addressed the conditions that resulted in its inclusion on the  
1107 CRWL and why those conditions will not impact performance on a contract resulting from this  
1108 solicitation. The PCO will consider this information as well as other available information in  
1109 making the determination of responsibility or nonresponsibility required by FAR 9.103.

1110 In addition, in accordance with Section 1612 of the NDAA for FY18 (P.L. 115-91), SSCI 64-  
1111 101, and FAR clause 52.212-4, in this solicitation, the Offeror must receive written consent of  
1112 the Contracting Officer prior to subcontracting with any contractor on the CRWL for any  
1113 subcontract valued in excess of \$3M or 5% of the prime contract value, whichever is lesser. The  
1114 PCO may not provide this consent without obtaining the approval of the SSC Commander.  
1115 Offerors must inform proposed subcontractors that the proposed subcontractors must notify the  
1116 Offeror if the proposed subcontractors have been notified by the SSC Commander that they have  
1117 been included on the CRWL. In order to be considered for a subcontract, a proposed  
1118 subcontractor that has been notified that it has been added to the CRWL must submit  
1119 documentation describing how it has addressed the conditions that resulted in its inclusion on the  
1120 CRWL and why those conditions will not impact its performance on a subcontract to a contract  
1121 resulting from this solicitation. The proposed subcontractor may submit CRWL-related  
1122 documentation through the Offeror or directly to the PCO as long as the information is received  
1123 prior to the proposal due date. In addition, the Offeror must submit its determination of  
1124 subcontractor responsibility in this volume. The PCO will consider information provided by the  
1125 Offeror and the proposed subcontractor as well as other available information in determining  
1126 whether to grant consent to subcontract.

1127 **11.7.2 FINANCIAL RESOURCES**

1128 In accordance with FAR 9.104-1(a) a contractor must have adequate financial resources to  
1129 perform the contract, or the ability to obtain them. The Offeror shall fill out highlighted portions  
1130 of Appendix H, Standard Form (SF) 1407 Pre-award Survey of Prospective Contractor  
1131 (Financial Capability), to help determine adequate financial resources.

1132 **11.7.3 U.S. COMMERCIAL PROVIDER**

1133 In accordance with FAR 9.104-1(g), for purposes of this award the Offeror must comply with the  
1134 U.S. Commercial Provider definition IAW the Commercial Space Act of 1998, Title II Public  
1135 Law 105-303. The Offeror must provide supporting documentation and statement attesting to  
1136 how the Offeror meets the requirements of a U.S. Commercial Provider. The Offeror shall

1137 complete all portions of Appendix I, SF 328 Certificate Pertaining to Foreign Interest. Failure to  
1138 meet these requirements may result in the Offeror being determined ineligible for award.  
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## List of Appendices

- 1141 Appendix A: Past Performance Information (PPI) Form
- 1142 Appendix B: Joint Venture/Subcontractor/Teaming Contractor Consent Letter
- 1143 Appendix C: Past Performance Questionnaire (PPQ)
- 1144 Appendix D: Transmittal Letter
- 1145 Appendix E: Client Authorization Letter
- 1146 Appendix F: RFP Pricing Tables
- 1147 Appendix G: SSC OCI Mitigation Plan Checklist
- 1148 Appendix H: SF 1407 Pre-award Survey of Prospective Contractor (Financial Capability)
- 1149 Appendix I: SF 328 Certificate Pertaining to Foreign Interest

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**Appendix A**  
**Past Performance Information (PPI) Form**

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1155 SOURCE SELECTION INFORMATION - See FAR 2.101 and 3.104

1156 FOR OFFICIAL USE ONLY

1157 **PAST PERFORMANCE INFORMATION (PPI)**  
 1158 **FORM**  
 1159 **(TO BE COMPLETED BY OFFEROR, JOINT**  
 1160 **VENTURE MEMBER)**

1161 Request the Offeror/Joint Venture member complete a separate PPI Form for each relevant  
 1162 contract. See Attachment 12 Paragraph 8 of this RFP for detailed instructions and limits on  
 1163 number and recency of contracts. The Offeror is requested to provide frank, concise comments  
 1164 regarding present/past performance on the program identified in Paragraph B below.

1165 If the contract being submitted is an ordering type contractual vehicle (for example, including  
 1166 but not limited to an Indefinite Delivery “D” type contract per FAR 16.5), only after issuance of  
 1167 a delivery/task order does performance occur. Given this, an individual order (or series of orders)  
 1168 under the basic ordering contract shall be submitted, in lieu of just the basic ordering contract  
 1169 itself. All information provided to the Government, for an ordering type contractual vehicle, shall  
 1170 be at the order level (i.e., a delivery/task order). The Contract Number, Total Contract Dollar  
 1171 Value, Period of Performance, submitted here should be for the order or series of orders, the  
 1172 offeror has performed under this ordering type contractual vehicle.

1173 If a series of orders is being submitted, the offeror shall include a list that includes the order  
 1174 numbers, each order’s Total Contract Dollar Value, and each order’s Period of Performance. If  
 1175 the series of orders contains more than 5 orders, include this information on a separate  
 1176 attachment. See Attachment 12 Paragraph 8 for more information on proposal submission and  
 1177 Attachment 13 Paragraph 8 for evaluation information.

1178 **A. Offeror**

- 1179 1. Name (Company/Division): \_\_\_\_\_
- 1180 2. Address: \_\_\_\_\_
- 1181 3. CAGE Code: \_\_\_\_\_
- 1182 4. DUNS Number: \_\_\_\_\_

1183 **B. Program Title and Contract Number:** \_\_\_\_\_

1184 (If submitting ordering type contract: List the basic contract number and each order number or  
 1185 order number within the series of orders)

1186 **C. Role of Offeror in Effort:** \_\_\_\_ Prime Contractor \_\_\_\_ Subcontractor

1187 The information provided shall reflect the role that the Offeror performed in the effort (i.e., an  
 1188 offeror who performed as a subcontractor shall identify the contract type, dollar value,  
 1189 description, etc. of its subcontract with the prime contractor).

1190 Please explain what Factor/Subfactor(s) that are relevant to this proposed effort.

1191 \_\_\_\_\_

1192 \_\_\_\_\_  
 1193 \_\_\_\_\_  
 1194 \_\_\_\_\_  
 1195 \_\_\_\_\_  
 1196 \_\_\_\_\_  
 1197 \_\_\_\_\_  
 1198 \_\_\_\_\_  
 1199 \_\_\_\_\_  
 1200 \_\_\_\_\_  
 1201 \_\_\_\_\_  
 1202 \_\_\_\_\_  
 1203 \_\_\_\_\_  
 1204 \_\_\_\_\_

1205 **D. Name of Contracting Activity or Customer:** \_\_\_\_\_

1206 **E. Contract Type(s)** – Check all that apply

- 1207 1. Firm Fixed Price \_\_\_\_\_
- 1208 2. Time and Materials \_\_\_\_\_
- 1209 3. Cost \_\_\_\_\_
- 1210 d. Other (explain) \_\_\_\_\_

1211 **F. Total Contract Dollar Value**

1212 (If you performed work as a subcontractor, identify your total contract dollar value and the Prime  
 1213 Contractor’s total contract dollar value, if known. Describe any changes in dollar value that may  
 1214 have occurred from time of contract award to the conclusion of the effort or the present,  
 1215 whichever is applicable.) If submitting an ordering type contract, list the original and current  
 1216 total contract dollar values for each order or order within the series of orders. If your series of  
 1217 orders consists of more than five (5) individual orders include the information in a separate  
 1218 attachment.)

1219 **1. Original Total Contract Dollar Value:** \_\_\_\_\_

1220 (If submitting ordering type contract: List the original total contract dollar value for each order or  
 1221 order within the series of orders)

1222 **2. Current Total Contract Dollar Value:** \_\_\_\_\_

1223 (If submitting ordering type contract: List the current total contract dollar value for each order or  
 1224 order within the series of orders)

1225 **3. Explain the difference in Total Contract Value, if applicable:**  
 1226 (Enter an explanation of the difference between the Original Total Contract Dollar Value and the  
 1227 Current Total Dollar Value as of the time of proposal submission)

1228 **4. If Award Fee Contract, what percentages of the fee have been awarded in each of last 3 years?**

1229 **G. Period of Performance** (includes start and end dates, e.g., Jan 2004 – Dec 2007)

1230 (If submitting an ordering type contract, the “Period of Performance” submitted here should be  
1231 for the order (or series of orders), the Offeror has performed under this ordering type contractual  
1232 vehicle. The Offeror shall submit the “Start Date” for the individual order or the first order in the  
1233 series. The Offeror shall submit the “Original End Date” for the individual order or the last order  
1234 in the series. If the “End Date” on the individual order or last order within the series of orders  
1235 has changed, these changes would need to be reflected in the “Current End Date” Section below.  
1236 Also, if submitting a series of orders, list the Start Date, Original End Date and Current End Date  
1237 for each order. If your series of orders consists of more than 5 individual orders include the  
1238 information in a separate attachment.)

1239 1. Start Date:  
1240 (Input start date of contract/order/series of orders)

1241 2. Original End Date:  
1242 (Input original end date of contract/order/series of orders based on award)

1243 3. Current End Date (if changed):  
1244 (Input end date, as the contract/order/series of orders stands at time of proposal submission)

1245 **H. Launch Vehicle Configuration:** \_\_\_\_\_

1246 **I. Orbit Parameters:**

1247 Apogee: \_\_\_\_\_ Perigee: \_\_\_\_\_  
1248 Mass: \_\_\_\_\_ Inclination: \_\_\_\_\_

1249 **J. Completion Date:**

1250 1. Initial launch date: \_\_\_\_\_  
1251 2. Current/Final Launch date: \_\_\_\_\_  
1252 3. Estimate at Completion: \_\_\_\_\_  
1253 4. How Many Times Changed: \_\_\_\_\_  
1254 5. Primary Causes of Change: \_\_\_\_\_

1255 **K. Primary Customer Points of Contact:**

1256 (The Offeror/Joint venture is responsible for exerting its best efforts to ensure that current  
1257 information is provided for all individuals. For Government contracts provide current  
1258 information on both individuals. For commercial contracts, provide points of contact fulfilling  
1259 these same roles.)

1260 1. Program Manager and/or Site Manager:  
1261 Name: \_\_\_\_\_  
1262 Office: \_\_\_\_\_  
1263 Address: \_\_\_\_\_  
1264 Telephone: \_\_\_\_\_  
1265 Email address: \_\_\_\_\_

1266 2. Contracting Officer:

1267 Name: \_\_\_\_\_  
1268 Office: \_\_\_\_\_  
1269 Address: \_\_\_\_\_  
1270 Telephone: \_\_\_\_\_  
1271 Email address: \_\_\_\_\_

1272 L. Address any technical (or other) area about this contract that is considered unique and relevant  
1273 to the source selection.

1274 \_\_\_\_\_  
1275 \_\_\_\_\_  
1276 \_\_\_\_\_  
1277 \_\_\_\_\_  
1278 \_\_\_\_\_  
1279 \_\_\_\_\_  
1280 \_\_\_\_\_  
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1289 \_\_\_\_\_  
1290 \_\_\_\_\_  
1291 \_\_\_\_\_  
1292 \_\_\_\_\_

1293 M. For each of the applicable Technical Factor/Subfactors in Attachment 13, Evaluation Criteria,  
1294 only illustrate how this experience on this contract applies to that Factor/Subfactor.

1295 \_\_\_\_\_  
1296 \_\_\_\_\_  
1297 \_\_\_\_\_  
1298 \_\_\_\_\_  
1299 \_\_\_\_\_  
1300 \_\_\_\_\_  
1301 \_\_\_\_\_  
1302 \_\_\_\_\_  
1303 \_\_\_\_\_  
1304 \_\_\_\_\_  
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1310 \_\_\_\_\_  
1311 \_\_\_\_\_  
1312 \_\_\_\_\_  
1313 \_\_\_\_\_  
1314 \_\_\_\_\_  
1315 \_\_\_\_\_

1316 N. Please discuss efforts accomplished within this contract to resolve problems encountered, as  
1317 well as efforts to identify and manage program risk.

1318 \_\_\_\_\_  
1319 \_\_\_\_\_  
1320 \_\_\_\_\_  
1321 \_\_\_\_\_  
1322 \_\_\_\_\_  
1323 \_\_\_\_\_  
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1327 \_\_\_\_\_

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**Appendix B**

**Joint Venture/Subcontractor/Teaming Contractor Consent Letter**

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**Joint Venture**  
**Consent Form**

NOTE TO OFFERORS: Past performance information concerning joint venture members cannot be disclosed to a private party without the joint venture member’s consent. Because a prime contractor is a private party, the Government will need that consent before disclosing joint venture partner past and present performance information to the prime during exchanges. In an effort to assist the Government's Past Performance Team in assessing your past performance relevancy and confidence, we request that the following consent form be completed by the joint venture members identified in your proposal. The completed consent forms shall be submitted as part of your Past Performance Volume.

FOR OFFICIAL USE ONLY

**JOINT VENTURE CONSENT FORM FOR THE RELEASE OF PAST AND PRESENT PERFORMANCE INFORMATION TO THE PRIME CONTRACTOR**

Dear (Contracting Officer)

We are currently participating as a (joint venture partner) with (prime contractor or name of entity providing proposal) in responding to the United States Space Force, Space Systems Command, Request for FA8811-23-R-0002 for the National Security Space Launch (NSSL) Phase 3 Lane 2 Launch Service Procurement.

We understand that the Government is placing increased emphasis on past performance in order to obtain best value in source selections. In order to facilitate the performance confidence assessment process, we are signing this consent form to allow you to discuss our past and present performance information with the prime contractor during the source selection process.

\_\_\_\_\_  
\_\_\_\_\_

(Signature and Title of individual who has the authority to sign for and legally bind the company)

Company Name:

Address:

1372

1373

1374

1375

1376

**Appendix C**  
**Past Performance Questionnaire (PPQ)**

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1377 **Past Performance Questionnaire (PPQ)**

1378  
1379 **Controlled Unclassified Information**

1380 *When completed, this document is Source Selection Information IAW FAR 2.101*  
1381 *and 3.104*

1382  
1383 **Section 1: Contract Identification**

1384  
1385 A. Contractor (Company/Division):

1386  
1387 B. Contractor Cage Code:

1388  
1389 C. Contract Number:

1390  
1391 D. Contract Type (e.g., FFP, FPIF, CPIF, CPFF, etc.):

1392  
1393 E. Program Title:

1394  
1395 F. Brief Program Description:

1396  
1397 G. Period of Performance

1398  
1399 1. Original Schedule (assuming all options exercised):

1400 Beginning Date \_\_\_\_\_ through \_\_\_\_\_

1401 2. Current Schedule (assuming all options exercised):

1402 Beginning Date \_\_\_\_\_ through \_\_\_\_\_

1403 3. Reason for difference (if applicable):

1404  
1405 H. Launch

1406  
1407 1. Initial Launch Schedule:

1408  
1409 2. Current/Final Launch Schedule:

1410 3. Reason for differences between initial launch schedule and current/final launch  
1411 schedule:

1412  
1413  
1414 I. Contract Dollar Value

1415  
1416 1. Original maximum contract dollar value (assuming all options exercised): \$

1417 2. Current maximum contract dollar value (assuming all options exercised): \$

- 1418 3. Reasons for difference between original and current contract dollar value (if  
1419 applicable):  
1420  
1421 J. Description of service provided (e.g., mission unique activities, payload processing, classified  
1422 security):  
1423  
1424 K. Was this a competitively awarded contract?  Yes  No  
1425  
1426 L. Contractor's Role:  Prime Contractor  Subcontractor  Key Personnel  
1427  
1428 M. Orbit Parameters:  
1429 Apogee: \_\_\_\_\_ Perigee: \_\_\_\_\_  
1430 Mass: \_\_\_\_\_ Inclination: \_\_\_\_  
1431  
1432 N. Launch vehicle Configuration:  
1433  
1434  
1435

1436 **Section 2: Customer or Agency Identification**

- 1437  
1438 A. Customer or agency name:  
1439  
1440 B. Customer or agency description (if applicable):  
1441  
1442 C. Geographic description of services under this contract (i.e., local, nationwide, worldwide,  
1443 other Commands):  
1444  
1445

1446 **Section 3: Respondent Identification**

- 1447  
1448 A. Respondent's name:  
1449  
1450 B. Respondent's title:  
1451  
1452 C. Respondent's phone number / fax number / e-mail address:  
1453  
1454 D. Respondent's position (e.g., Program Manager, PCO/ACO, etc.):  
1455  
1456 E. Length of time (number of years/months) respondent worked on subject contract and  
1457 description of responsibility/position/role:  
1458  
1459 F. Other suggested points of contact:  
1460  
1461

1462 **Section 4: Performance Information**

1463

1464 A. In the tables below, indicate your rating for the contractor’s performance by placing an “X”  
1465 in the appropriate block to the right of each question. Provide supporting information for each  
1466 response in the space provided. Attach additional pages if more space is needed. The  
1467 performance rating scale is defined as follows:

1468

1469

Code      Performance Rating

1470

1471 **E**      **EXCEPTIONAL** – Performance meets contractual requirements and exceeds many  
1472 requirements to the Government’s benefit. The contractual performance being  
1473 assessed was accomplished with few minor problems for which corrective actions  
1474 taken by the contractor were highly effective.

1475

1476 **V**      **VERY GOOD** – Performance meets contractual requirements and exceeds some  
1477 requirements to the Government’s benefit. The contractual performance being  
1478 assessed was accomplished with some minor problems for which corrective actions  
1479 taken by the contractor were effective.

1480

1481 **S**      **SATISFACTORY** – Performance meets contractual requirements. The contractual  
1482 performance being assessed contains some minor problems for which corrective  
1483 actions taken by the contractor appear or were satisfactory.

1484

1485 **M**      **MARGINAL** – Performance does not meet some contractual requirements. The  
1486 contractual performance being assessed reflects a serious problem for which the  
1487 contractor has not yet identified corrective actions or the contractor’s proposed  
1488 actions appear only marginally effective or were not fully implemented.

1489

1490 **U**      **UNSATISFACTORY** – Performance does not meet most contractual requirements  
1491 and recovery is not likely in a timely manner. The contractual performance being  
1492 assessed contains serious problem(s) for which the contractor’s corrective actions  
1493 appear or were ineffective.

1494

1495 **N/A**      **NOT APPLICABLE** – Unable to provide a rating. Contract did not include  
1496 performance for this aspect, performance was not observed, or information was not  
1497 available. Do not know.

Technical Performance	E	V	S	M	U	N/A
T1. How well did the contractor meet the technical requirements of the specification? <u>SUPPORTING INFORMATION:</u>						
T2. How was the quality of technical data or report preparation efforts? <u>SUPPORTING INFORMATION:</u>						
T3. How did the contractor conduct requirements management and flow-down? <u>SUPPORTING INFORMATION:</u>						
T4. How well did the contractor conduct/support the customer's required technical reviews, mission Assurance or Independent Readiness Review Teams? <u>SUPPORTING INFORMATION:</u>						
T5. How well did the contractor implement quality processes, operation, maintenance, upgrades and configuration control? <u>SUPPORTING INFORMATION:</u>						
T6. How effective were the contractor's methodologies used for software/hardware qualification and flight testing? <u>SUPPORTING INFORMATION:</u>						
T7. How well did the contractor meet design criteria? <u>SUPPORTING INFORMATION:</u>						

<p>T8. How successfully did the contractor execute orbital payload insertion mission(s)?</p> <p><u>SUPPORTING INFORMATION:</u></p>						
<p>T9. How complete and structured was the contractor’s design in terms of meeting technical requirements and presenting rigorous analysis of designs and design alternatives?</p> <p><u>SUPPORTING INFORMATION:</u></p>						
<p>T10. How cooperative and responsive was the contractor when dealing with other Mission Partners (i.e., Range, Space Vehicle Contractor, Encapsulation Facility Contractor, etc.)?</p> <p><u>SUPPORTING INFORMATION:</u></p>						
<p>T11. How effectively did the contractor manage integration of the primary payload and secondary payload (e.g., Evolved Secondary Payload Adapter [ESPA] or similar rideshare capability into an integrated payload stack?</p> <p><u>SUPPORTING INFORMATION:</u></p>						
<p>T12. How successfully did the contractor accommodate changes to the secondary payload configuration (e.g., ESPA and APL configuration) during the integration cycle?</p> <p><u>SUPPORTING INFORMATION:</u></p>						
<p>T13. How effectively/successfully did the contractor manage and execute integration of classified payloads?</p> <p><u>SUPPORTING INFORMATION:</u></p>						
<p>T14. How complete and adequate was the contractor’s support of payload processing for multiple payloads?</p> <p><u>SUPPORTING INFORMATION:</u></p>						

<p>T15. How effectively/successfully did the contractor provide access to information to enable required Government insight?</p> <p><u>SUPPORTING INFORMATION:</u></p>						
<p>S1. How accurately did the contractor forecast the schedule?</p> <p><u>SUPPORTING INFORMATION:</u></p>						
<p>S2. How well did the contractor perform against the contract and/or delivery schedule?</p> <p><u>SUPPORTING INFORMATION:</u></p>						
<p>S3. How successfully did the contractor alert the customer of unforeseen schedule changes (accelerations and/or delays) before they occurred?</p> <p><u>SUPPORTING INFORMATION:</u></p>						
<p>S4. How successfully did the contractor respond to emergency and/or surge situations?</p> <p><u>SUPPORTING INFORMATION:</u></p>						
<p>S5. How effectively did the contractor manage scheduling and communicate issues that may affect other stakeholders and/or project completion?</p> <p><u>SUPPORTING INFORMATION:</u></p>						

1499  
1500 B. Please provide any specific strengths that provided value to the customer in the contractor's  
1501 execution in their responsibilities.

1502  
1503  
1504 C. **Government Contracts Only:** Was this contract partially or completely terminated for  
1505 default or convenience, or are there any pending terminations?  
1506

1507  Yes  Default  Convenience  Pending Terminations  No

1508  
1509 If yes, please explain (e.g., inability to meet cost, performance, or delivery schedules).

1510  
1511  
1512 **SECTION 5: GENERAL COMMENT**

1513  
1514 Given what I know today about the contractor's ability to execute what he promised in his  
1515 proposal, I [ click and select an item ] award to this contractor, or have this contractor perform  
1516 one of my critical and demanding programs, today given that I had a choice.

1517  
1518  
1519 REMARKS:

1520  
1521  
1522  
1523 Please provide any additional comments concerning this contractor's performance, to include  
1524 areas where the contractor made improvements throughout the life of the contract, or any  
1525 additional information of note.

1526  
1527  
1528  
1529  
1530  
1531

\_\_\_\_\_  
1532 Respondent's Signature [click and pick the date]  
\_\_\_\_\_  
Date

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**Thank you for your prompt response and assistance!**  
*Please return this completed questionnaire to:*

Mailing Address:

SSC/AAK  
ATTN: Ms. Kirsten Prechtl  
483 N. Aviation Blvd  
El Segundo, CA 90245  
Reference: RFP# FA8811-

E-Mail to: [kirsten.prechtl@spaceforce.mil](mailto:kirsten.prechtl@spaceforce.mil)

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**Appendix D**  
**Transmittal Letter**

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1558 **Transmittal Letter for Government Sources to Accompany Present/Past Performance**  
1559 **Questionnaire**

1560 **[TO BE COMPLETED BY OFFEROR]**

1561 FOR OFFICIAL USE ONLY

1562  
1563 MEMORANDUM FOR: [OFFEROR'S/JOINT VENTURE MEMBERS'S POC]

1564  
1565 FROM: [OFFEROR'S ADDRESS AND POINT OF CONTACT]

1566  
1567 SUBJECT: Present/Past Performance Questionnaire for Contract(s) \_\_\_\_\_.

- 1568  
1569 1. We are currently responding to the United States Space Force, Space Systems Command,  
1570 Request for Proposal (RFP) FA8811-22-R-0002, for the procurement of the National Security  
1571 Space Launch (NSSL) Phase 3 Lane 2 Launch Service. This RFP is being conducted as a  
1572 Tradeoff Source Selection and specifically requires that we, as an offeror, do the following:

1573 The offeror shall send out – and track the -- Present/Past Performance Questionnaire to  
1574 each of the offeror's joint venture members' Points of Contact (POCs). The  
1575 responsibility to send out and track the Present/Past Performance Questionnaires rests  
1576 solely with the offeror - i.e., it shall not be delegated to any subcontractors and/or joint  
1577 venture partners. The completed Present/Past Performance Questionnaire shall be  
1578 submitted **directly to the Government not later than 4:00 pm Pacific Time on 12**  
1579 **August 2023**. Each of the offeror's POCs may submit its completed Present/Past  
1580 Performance Questionnaire either electronically or by mail.

1581 If sending electronically, the following applies: Exchanges of source selection  
1582 information between government and questionnaire respondents will be controlled by the  
1583 Contracting Officer. Email may be used to transmit such information only if the email  
1584 can be sent and encrypted and must include "Source Selection Information – See FAR  
1585 2.101 and 3.104" in the subject line of the email. In order to facilitate the sending and  
1586 receiving of encrypted emails, a questionnaire respondent must use MS Outlook email  
1587 configured to support encryption, or a different email product that is S/MIME compatible  
1588 and configured to support encryption. If you intend to submit your completed  
1589 questionnaire via an encrypted email, you will need to contact the Buyer/Contracting  
1590 Officer indicated below, prior to that first submittal, in order to exchange certificates used  
1591 for encryption. To ensure the process is working correctly, send a test encrypted message  
1592 first (without including any source selection information). Email to:  
1593 kirsten.precht@spaceforce.mil.

1594  
1595 If mailing, mail directly to:

1596 SSC/AAK  
1597 ATTN: Ms. Kirsten Prechtl  
1598 483 N. Aviation Blvd  
1599 El Segundo, CA 90245  
1600 Reference: RFP# FA8811-  
1601

1602 If mailing, the outside envelope must be marked as follows:

1603 NOTE: TO BE OPENED BY ADDRESSEE ONLY  
1604

1605 The completed questionnaires should be contained in a second envelope marked with the mailing  
1606 address and the following legend:

1607 SOURCE SELECTION INFORMATION - See FAR 2.101 and 3.104

1608 FOR OFFICIAL USE ONLY  
1609

1610 2. We have identified subject contract(s) as relevant to this acquisition and you as our POC. As  
1611 such, please take a few moments of your time to fill out the attached questionnaire and send it  
1612 directly back to the contracting officer. The information contained in the completed Present/Past  
1613 Performance Questionnaires is considered sensitive and cannot be released to us, the offeror. If  
1614 you have any questions about the acquisition or the attached questionnaire, your questions must  
1615 be directed back to the Government's points of contact identified above. Thank you for your  
1616 timely assistance.

1617

1618

1619

1620

Sincerely,

1621

[OFFEROR'S POINT OF CONTACT]

1622

1623

1624 1 [2?] ATCH

1625 Present/Past Performance Questionnaire

1626 [Client Authorization Letter(s), if applicable]

1627

1628

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**Appendix E**  
**Client Authorization Letter**

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1633

**Client Authorization Letter**

1634 NOTE TO OFFERORS: To assist the Government’s Past Performance Team in assessing your  
1635 present and past performance on relevant commercial contracts, the following letter must be sent  
1636 to your points of contact (POCs) for those commercial efforts that you identify to us in your past  
1637 performance volume. Should you propose to use joint venture members, you must obtain a  
1638 similar client authorization letter from each entity. However, it is your sole responsibility, as the  
1639 Offeror, to then send out these authorization letters with the Present/Past Performance  
1640 Questionnaire to your own POCs and to those of your joint venture members and include a copy  
1641 in your past performance volume.

1642

FOR OFFICIAL USE ONLY

1643

**Client Authorization Letter**  
**(TO BE ACCOMPLISHED BY**  
**OFFEROR)**

1644

1645

1646

1647 Dear (Client):

1648 We are currently responding to the United States Space Force (USSF), Space Systems  
1649 Command, Request for FA8811-XX-XXXX for the National Security Space Launch (NSSL)  
1650 Phase 3 Lane 2 Launch Service Procurement.

1651 As you know past performance has become an element of increased emphasis in the  
1652 USSF’s acquisitions. They are requesting that clients of companies who submit  
1653 proposals in response to their RFP for the NSSL Phase 3 Lane 2 Launch Service  
1654 Procurement be contacted, and that their participation in the validation process be  
1655 requested. We, therefore, respectfully request and hereby authorize you to complete the  
1656 attached Questionnaire with regards to work we have performed for you and submit it  
1657 either electronically or by mail.

1658 If sending electronically, the following applies: Exchanges of source selection  
1659 information between Government and questionnaire respondents will be controlled by the  
1660 Contracting Officer. Email may be used to transmit such information only if the email  
1661 can be sent and encrypted and must include “Source Selection Information – See FAR  
1662 2.101 and 3.104” in the subject line of the email. In order to facilitate the sending and  
1663 receiving of encrypted emails, a questionnaire respondent must use MS Outlook email  
1664 configured to support encryption, or a different email product that is S/MIME compatible  
1665 and configured to support encryption. If you intend to submit your completed  
1666 questionnaire via an encrypted email, you will need to contact the Buyer/Contracting  
1667 Officer indicated below, prior to that first submittal, in order to exchange certificates used  
1668 for encryption. To ensure the process is working correctly, send a test encrypted message  
1669 first (without including any source selection information). Email to:  
1670 kirsten.precht@spaceforce.mil.

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1672 If mailing, the outside envelope must be marked as follows:

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NOTE: TO BE OPENED BY ADDRESSEE ONLY

The completed questionnaire should be contained in a second envelope marked with the mailing address and the following legend:

SOURCE SELECTION INFORMATION - See FAR 2.101 and 3.104

FOR OFFICIAL USE ONLY

Mail directly to:

SSC/AAK  
ATTN: Ms. Kirsten Prechtl  
483 N. Aviation Blvd  
El Segundo, CA 90245  
Reference: RFP# FA8811-

We also respectfully request and hereby authorize you to verbally discuss the attached Questionnaire when contacted via telephone by the Government with regards to work we have performed for you.

We have identified Mr./Ms. (Name) of your organization as the point of contact based on their knowledge concerning our work. Your cooperation in this matter is appreciated. Any questions may be directed to: [NAME, PHONE NUMBER, FAX NUMBER FOR THE OFFEROR'S POINT OF CONTACT]

Sincerely,

[OFFEROR'S POINT OF CONTACT]

FOR OFFICIAL USE ONLY

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**Appendix F**  
**RFP Pricing Tables**  
(In a separate file)

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**Appendix G**  
**SSC OCI Mitigation Plan Checklist**  
(In a separate file)

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**Appendix H**  
**SF 1407 Pre-award Survey of Prospective Contractor**  
**(Financial Capability)**  
(In a separate file)

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**Appendix I**  
**SF 328 Certificate Pertaining to Foreign Interest**  
(In a separate file)

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