

**Appendix G –Change Log**

Minor and administrative changes have been incorporated into the NRA but may not have been captured in this change log. The Offeror is responsible for understanding the contents in the NRA.

<b>Page, Section (Page numbers based on original Draft NRA)</b>	<b>Change Log</b>
Draft NRA Pages ii-iii, Executive Summary	Deleted notional target areas for risk reduction and associated language
Draft NRA Page ii, Executive Summary	Updated NRA proposal requirements
Draft NRA Page iii, Executive Summary	Deleted expected range for awards
Draft NRA Page iv, Executive Summary	Deleted “All presentations, charts, publications, journals, or other data which may fall under the Export Control Act or limited exclusive rights of data, shall be submitted to the MSFC Intellectual Property Officer or Contracting Officer Representative (COR) for subsequent approval”
Draft NRA Page iv, Executive Summary	Deleted reference to Industry Day
Draft NRA Page v, Table of Contents	Added “Appendix G – Change Log”
Draft NRA Page 1, Section 1.2	Deleted construction of facilities bullet
Draft NRA Page 1, Section 1.3	Add wording on NRA precedence
Draft NRA Page 2, Section 1.3	Rearranged and clarified secure technical library access information
Draft NRA Page 2, Section 1.3	Identified Iran, North Korea, and Syria Nonproliferation Act (INKSNA) prohibitions
Draft NRA Page 2, Section 2.1	Deleted “or other matter (e.g., data rights) inherently incompatible to the desired results of risk reduction for a SLS Advanced Booster arises”
Draft NRA Page 3, Section 2.1	Deleted duplicative information related to requirements for subcontracting plan
Draft NRA Page 3, Section 2.1	Deleted expected range for awards
Draft NRA Page 3, Section 2.1	Added funding mechanisms paragraph
Draft NRA Page 3, Section 3.1	Deleted “contract vehicles” and replaced with “agreements with the Offeror” along with examples and clarification on requirements for SAAs and cooperative agreements
Draft NRA Page 4,	Clarified cost sharing and corporate resource requirements

Section 3.3	
Draft NRA Page 5, Section 4.2.2	Deleted “NRA-Specific Items” paragraph
Draft NRA Page 6-10, Section 4.2.6	Simplified and clarified Section 4.2.6 and rearranged associated subparagraphs for Volume 1 – Relevance to NASA Objectives
Draft NRA Pages 8, Section 4.2.6.1.2.5	Deleted “Major Structures/Interface Structures” paragraph
Draft NRA Page 9, Section 4.2.6.1.2.6	Deleted “Mass Statement” paragraph
Draft NRA Page 9, Section 4.2.6.1.2.7	Deleted “Advanced Booster and Reference Vehicle Characteristics” paragraph
Draft NRA Page 9, Section 4.2.6.1.2.7.1	Retitled “Vehicle Performance Requirements” paragraph to “Reference Vehicle Performance”
Draft NRA Page 9, Section 4.2.6.1.2.7.2	Retitled “Vehicle Configuration Requirements” paragraph to “Reference Vehicle Configuration and Mechanical Interfaces”
Draft NRA Page 10, Section 4.2.6.1.3 and 4.2.6.1.3.1	Added “The Offeror shall provide pertinent ground rules and assumptions.”
Draft NRA Page 10, Section 4.2.6.1.3.1	Added title “DDT&E Rough Order of Magnitude (ROM) Cost and Schedule”
Draft NRA Page 10, Section 4.2.6.1.3.1	Added “retirement”
Draft NRA Page 10, Section 4.2.6.2.1.2	Changed “5%” submittal to “\$5,000,000”
Draft NRA Page 11, Section 4.2.6.2.1.2.1	Added “Contractor specifications and requirements for facility modifications and/or refurbishment” and added responsibility information
Draft NRA Page 11, Section 4.2.6.2.1.3	Updated facilities, equipment, and key capabilities requirements
Draft NRA Page 11, Section 4.2.6.2.1.4	Added “Schedule” paragraph and renumbered “Ground Rules and Assumptions” paragraph
Draft NRA Page 11, Section 4.2.6.2.1.5	Updated “Ground Rules and Assumptions” paragraph
Draft NRA Page 11, Section 4.2.6.2.1.5	Updated and renumbered “Deviations/Exceptions” paragraph
Draft NRA Page 12, Section 4.2.6.2.2	Added work breakdown structure submittal requirement and “The Offeror shall include, as an element of the SOW ....”
Draft NRA Page 12, Section 4.2.6.3	Simplified, clarified, and rearranged Section 4.2.6.3 Volume 3 – Price and associated subparagraphs. Changed “5%” submittal to “\$5,000,000.”
Draft NRA Page 12, Section 4.2.6.3.1.2	Deleted paragraph
Draft NRA Page 14, Section 4.2.6.3.2.5.	Moved to 4.2.6.2.1.4
Draft NRA Page 15,	Added conversion of Contractor fiscal year to Government fiscal year

Section 4.2.6.3.5	
Draft NRA Page 15, Section 4.2.6.4	Updated SHE Plan tailoring information
Draft NRA Page 17, Section 4.2.6.7.2	Revised page limits and clarified proposal formatting requirements
Draft NRA Page 17, Section 4.2.6.8	Updated “Joint Proposals” paragraph
Draft NRA Pages 17-18, Section 4.3.1	Added proposal due date and time, updated mailing address, and added that evaluation of offers, and communication of the results of its evaluation shall not be performed through NSPIRES or Grants.gov.
Draft NRA Page 18, Section 5.0	Added “Failure to follow instructions for proposal submission may result in the proposal to be determined as unacceptable and rejected.”
Draft NRA Page 19, Section 5.1.3.1	Simplified, clarified, revised, and reformatted Section 5.1.3.1
Draft NRA Pages 19-20, Tables 1 and 2	Updated definitions in Tables 1 and 2
Draft NRA Page 20, Section 5.1.3.2	Clarified and expanded upon Factor 2: Intrinsic Merit paragraph
Draft NRA Page 21, Section 5.1.3.2 Management Approach	Changed major subcontractor definition from “5%” to “\$5,000,000”
Draft NRA Page 21, Section 5.1.3.2 Management Approach	Added bullet “g. Overall EDRR schedule and proposed milestones including proposed period of performance.”
Draft NRA Page 21, Section 5.1.3.2 Small Business Utilization	Added “The small business subcontracting goals will be evaluated on the total proposal value versus each individual EDRR effort value.”
Draft NRA Page 21, Section 5.1.3.3	Clarified and expanded upon Factor 3: Price. Added identification of findings under Criteria.
Draft NRA Page 22, Section 5.2	Clarified information needed if selected for award
Draft NRA Page 24, Section 7.0	Removed reference to Industry Day
Draft NRA Page 25, Section 8.3	Added NASA engine test stand point of contact
Draft NRA Page 25, Section 9.0	Added future DDT&E information for planning purposes
Draft NRA Appendix A Page 2, Section 1.0	Removed “using the “Program to Optimize Simulated Trajectories” (POST).”
Draft NRA Appendix A Page 5, Section 4.1	Clarified mass to orbit performance margin requirements
Draft NRA Appendix A Page 6, Section 4.2	Figure 2 updated
Draft NRA Appendix A Page 6, Section 4.3	Clarified configuration modification and infrastructure modification requirements
Draft NRA Appendix A	Clarified configuration modification requirements

Page 6, Sections 4.5 and 4.6	
Draft NRA Appendix B	Simplified and reformatted
Draft NRA Appendix C	Updated to include additional acronyms/abbreviations
Draft NRA Appendix D	Reformatted with additional instructions included
Draft NRA Appendix E	Simplified, clarified, revised, and reformatted. Delineates between the Offeror and any Major Subcontractor.
Draft Model Contract Page F-1, Clause F.3	Clause F.3 Contract Hardware Deliverables: Table updated to capture EDRR title.
Draft Model Contract Pages G-3, Clause G.4	Clause G.4 Installation Accountable Government Property: This clause has been deviated with additional instructions.
Draft Model Contract Pages G-9, Clause G.11	Clause G.11 Contractor Employee Badging and Employment Termination Clearance: This clause has been deviated to remove reference to decals.
Draft Model Contract Pages H-5, Clause H.5	Clause H.5 Key Personnel and Facilities: Additional instructions and table added.
Draft Model Contract Pages H-9, Clause H.15	Clause H.15 Evaluation of Subcontracting Plan: Clause renamed to "Evaluation of Small Business Subcontracting Goals."
Draft Model Contract Pages H-11, Clause H.17	Clause H.17 Travel: Clause deleted in its entirety. Subsequent clauses are renumbered.
Draft Model Contract, Section H	Clause H.19 Special Changes Clause for Space Act Agreements added.
Draft Model Contract Section I Clauses Incorporated by References	<p>Clauses are deleted:</p> <p>52.219-25 Small Disadvantaged Business Participation – Disadvantaged Status and Reporting</p> <p>52.223-14 Toxic Chemical Release Reporting</p> <p>1852.215-78 Make or Buy Program Requirements</p> <p>1852.219-74 Use of Rural Area Small Businesses</p> <p>Clause is added:</p> <p>52.245-9 Use and Charges</p> <p>Clause is changed:</p> <p>From 52.245-1 Government Property--Alternate I</p> <p>To 52.245-1 Government Property</p>
Draft Model Contract Pages I-5, Clause I.5	Clause I.5 Rights in Data – General: Clause is changed to Clause I.5 Rights in Data – General – Alternate II – Alternate III and additional instructions are added.
Draft Model Contract, Attachment J-2, DRD DE-001	Updated paragraphs 7 and 12
Draft Model Contract, Attachment J-2, DRD MA-001	Updated paragraphs 12, 15.3, and 15.4
Draft Model Contract,	Updated paragraphs 11 and 12

Attachment J-2, DRD MA-003	
Draft Model Contract, Attachment J-2, DRD SA-001	Updated title and paragraphs 13, 14, 15.3, and 15.4