

EVI-6 PEA Simplification Change Table

The Earth Venture Instrument – 6 (EVI-6) Program Element Appendix (PEA) of the Third Stand Alone Missions of Opportunity Notice (SALMON-3) Announcement of Opportunity (AO) includes simplified requirements to reduce the workload on proposers. Changes are stated below.

GENERAL REQUIREMENTS (Appendix B of the SALMON-3 AO)

Requirement Topic	SALMON-3 Req. number/section	Simplification	EVI-6 PEA Req. number/section	Comments
Page limits	Req. B-4, and Table “Proposal Structure and Page Limits”	Number of pages reduced – Schedule Foldout from 3 to 2 foldouts, Sections F and G from 17* to 13 pages, Section H from 9* to 5 pages, Appendix J.5 from unlimited to one page, Appendix J.9 from 30 to 15 pages, and Appendixes J4, J7 eliminated (from unlimited pages).	Requirement R-38	Section D and E page limit is 22 pages.* Saves at least 25 proposal pages.

*The page allocations starting point in the table above are more than stated in the SALMON-3 AO to account for the new page formatting described in EVI-6 PEA Requirement R-37. In the SALMON-3 AO, the page allocation for Sections F and G are stated as 15 and for Section H is 8; this translated to 17 and 9 with the new page format changes stated in the EVI-6 PEA Requirement R-37.

INVESTIGATION IMPLEMENTATION (Section F of Appendix B of the SALMON-3 AO)

Requirement Topic	SALMON-3 Req. number/section	Simplification	EVI-6 PEA Req. number/section	Comments
Systems engineering development approach	Req. 32 Req. B-30 Section F. Version A Req. B-45 Section F. Version B	Reduced to only require the mission unique aspects of the systems engineering approach.	Requirement R-39	Section F. Version A – Missions of Opportunities (MOs) without flight systems development and operations. Section F. Version B - MOs with flight systems development and operations (e.g., SCMs)
Schedule	Req. B-34, B-49	The Schedule foldout was reduced to 2 foldouts. The narrative is not required.	Requirement R-40	

MANAGEMENT (Section G of Appendix B the SALMON-3 AO)

Requirement Topic	SALMON-3 Req. number/section	Simplification	EVI-6 PEA Req. number/section	Comments
Overall MANAGEMENT Section G	Section G Reqs. B-50 to B-54	See specific topics in rows below.	Requirements R-41 to R-44	
Management Approach-organization, team arrangement	Req. 31, B-50, B-51	Only requires the management organization chart and a brief discussion decision-making authority and the teaming arrangement and responsibilities. Only investigation unique roles and responsibilities of the key management team are required. Eliminates explanation of traditional roles for key personnel. Eliminates naming Project Manager and other primary team members.	Requirement R-41	
Named PM	Req. 56	Eliminated.		
Principal Investigator (PI), PM. Project Systems Engineer (PSE) qualifications, experience and time commitments.	Req. 58, B-51	Only requires qualifications and experience of the named Key Management Team members and the expected qualifications and experience of the Key Management Team members not named.	Requirement R-42	
Identify Major Risks	Req. 60, B-52	Only requires a Risk Table and eliminates discussion.	Requirement R-43	
Management approach to mitigate risks discussion	Req. 61, B-52	Eliminated. Risk mitigations are part of the Risk Table described in Requirement R-43.		
If descopes – savings, milestones, science, etc.	Req. 62, B-52	A bullet in Requirement R-43 – Risk mitigations are part of Risk Table.	Requirement R-43	
International participation risk	Req. 63	A bullet in Requirement R-43 – Risk and mitigation on Risk Table.	Requirement R-43	
Contribution Management	Req. 87, B-53	Eliminates the requirement to “demonstrate” and only requires a “description”.	Requirement R-44	
Mitigations for failed contributions	Req. 91, B-53	Included within Requirement R-44 – Identify contingency plans.	Requirement R-44	
Exploded diagram	Req. 93	Eliminated. Exploded diagram and supporting table not required.		
Deviations from NASA procedural requirements that will require a waiver	Req. 33	Eliminates the requirement for “description” and only requires a “list”.	Requirement R-45	
Management Evaluation criteria.	Criteria Factor C-4	Eliminates evaluation of non-mission unique systems engineering, named PM, spaceflight experience of PI, and management tools.	Factor C-4a	

COST AND COST ESTIMATING METHODOLOGY (Section H of Appendix B of the SALMON-3 AO)

Requirement Topic	SALMON-3 Req. number/section	Simplification	EVI-6 PEA Req. number/section	Comments
Basis of Estimate	Req. B-56	Only requires a Basis of Estimate table and a brief description of the methodologies and assumptions used to develop the proposed cost estimate. Only a brief description on cost reserves is required. Eliminates full descriptions of methodologies and cost reserves. Language on including independent cost estimates performed outside the proposing organizations in the proposal is deleted as it is not required.	Requirement R-46 Section 5.1.3	Independent cost estimates performed outside the proposing organizations will not be evaluated if submitted.
Cost Risk discussion	Req. B-57	Requires only brief discussion. Eliminates full descriptions.	Requirement R-47	
Cost Evaluation criteria	Criteria Factor C-5	Focuses on the basis of estimate, adequacy of approach to develop estimated cost, cost risk, and cost reserves. Eliminates evaluation of methods and rationales, validation with independent cost estimates performed outside the proposing organizations, and cost management tools.	Criteria Factor C-5a	

PROPOSAL APPENDIXES (Section J of Appendix B of the SALMON-3 AO)**

Requirement Topic	SALMON-3 Req. number/section	Simplification	EVI-6 PEA Req. number/section	Comments
Resumes	Section J.3	Eliminated requirement for the resume of the PM.	Section J.3	PM is not named.
Summary of Proposed Program Cooperative Contributions	Section J.4	Eliminated.	Section J.4	
International Participation	Section J.5	Reduced from unlimited pages to a one-page limit; only requires a table that has the contribution, organization, whether a TAA is required, and any licensing information. Requires only a brief discussion on any necessary license.	Section J.5	Table format in Section J.5 of the EVI-6 PEA.
Discussion of Limiting the Generation of Orbital Debris and End of Mission Spacecraft Disposal Requirements	Section J.7	Eliminated	Section J.7	With notice that the selected investigation will have to satisfy these requirements and those on applicable NPRs.
Heritage	Section J.9	Only requires a Table. Reduces page count from 30 to 15 pages.	Section J.9	Page limit applicable to classified appendix also.

** Section numbers from SALMON-3 AO retained for easy mapping