

Guidance for Tailoring 7120.5F Requirements for Small Category 3/Class D Projects

Last updated: 9-7-21

The intent of this guidance matrix is to provide guidance and expectations in tailoring and applying project management requirements to small Category 3/Class D space flight projects with a life-cycle cost (LCC) under \$150M. NASA policy recognizes the need to accommodate the unique aspects of each program or project to achieve mission success in a safe, efficient, and economical manner within acceptable risk. This flexibility is achieved through tailoring as per NPR 7120.5F and the risk classification guidance per NPR 8705.4.

Tailoring is both an expected and accepted part of establishing proper requirements for all category and class projects and especially so for small Category 3/Class D projects. Projects are diverse and Agency leaders should assess each project on a case-by-case basis and look for tailoring opportunities to reduce unnecessary burden on projects. Tailoring is enabled by NASA policy and is especially necessary for these small projects to align requirement implementation to fit project scope, mitigate application of unnecessary requirements, and reduce burden on small projects with limited resources. Centers, Mission Directorates (MD), and support offices are expected to support the projects in tailoring and are encouraged to review their own practices and provide similar clarification, scoping, and/or relief from unnecessary requirements.

The desired project outcome is a requirements tailoring and implementation approach, documented and approved in the project's Compliance Matrix, allowing innovation while maintaining programmatic performance against plan within acceptable risk.

To facilitate implementation of the guidance and expectations in this matrix, a link is provided in NPR 7120.5F to a copy of this matrix on the OCE tab in NODIS under the "Other NASA-Level Documents" menu and on the Agency Tailoring Website.

Small CAT 3/Class D (< \$150M LCC) NPR 7120.5F Guidance Matrix

In this guidance matrix, the term "small CAT 3" refers to a Category 3/Class D project with LCC < \$150M

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2.1.1.2	Regardless of the structure of a program or project meeting the criteria of Section P.2, this NPR shall apply to the full scope of the program or project and all the activities under it.	No change.
2.1.3.1	Projects are Category 1, 2, or 3 and shall be assigned to a	No change.

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	category based initially on: (1) the project life-cycle cost (LCC) estimate, the inclusion of significant radioactive material, and whether or not the system being developed is for human space flight; and (2) the priority level, which is related to the importance of the activity to NASA, the extent of international participation (or joint effort with other government agencies), the degree of uncertainty surrounding the application of new or untested technologies, and spacecraft/payload development risk classification.	(NPR 7120.5 includes reference to this guidance matrix: 2.2.5.b "... General NASA guidance is provided in "Guidance for Tailoring 7120.5 Requirements for Small Cat 3/Class D Projects," which can be found in NODIS on the OCE tab under the "Other NASA-Level Documents" menu."
2.1.3.2	For Category 1 projects, the assignment of a project to a Center or implementing organization shall be with the concurrence of the NASA AA.	NA small CAT 3
2.1.4.1	Programs and projects with a LCC or initial capability cost (see Section 2.4.1.3.b) greater than \$250M shall be managed by program and project managers who have been certified in compliance with Office of Management and Budget (OMB)'s promulgated Federal acquisition program/project management certification requirements.	NA small CAT 3
2.2.1	Program and project managers shall follow their appropriate life cycle, which includes life-cycle phases; life-cycle gates and major events, including KDPs; major life-cycle reviews (LCRs); principal documents that govern the conduct of each phase; and the process of recycling through Formulation when program changes warrant such action.	No change.
2.2.2	Program and project managers shall organize the work required for each phase using a product-based WBS developed in accordance with the Program and Project Plan templates (appendices G and H).	No change.

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2.2.3	The documents shown on the life-cycle figures and described below shall be prepared in accordance with the templates in appendices D, E, F, G, and H.	<p>The five documents related to 2.2.3 (with templates in appendices and the Agency Tailoring Website) include FAD, PCA, Program Plan, Formulation Agreement (FA), and Project Plan.</p> <ul style="list-style-type: none"> • The project is responsible for producing 2 of these documents, the FA and the Project Plan. These documents describe how project will execute formulation and implementation. • The FAD is a Mission Directorate (MD) document; the PCA is a NASA AA document prepared by MD, and the Program Plan is prepared by the Program Manager. <p>The project may propose a plan, with rationale, for tailoring how they document the FA and Project Plan, e.g., project may propose to produce an early Project Plan to cover work in formulation in lieu of a FA and update the Project Plan for the work they plan to do in implementation.</p>
2.2.4	Each program and project shall perform the LCRs and KDPs identified in its respective life-cycle figure in accordance with NPR 7123.1, applicable Center practices, and the requirements of this document.	The project may propose, with rationale, a tailored review plan, e.g., combining or eliminating reviews.
2.2.5	Program or project managers and an independent Standing Review Board (SRB) shall conduct the System Requirements Review (SRR), System Definition Review (SDR)/ Mission Definition Review (MDR), Preliminary Design Review (PDR), Critical Design Review (CDR), System Integration Review (SIR), Operational Readiness Review (ORR), and PIR LCRs in figures 2-2, 2-3, 2-4, and 2-5.	No change.
2.2.5.1	The Conflict of Interest (COI) procedures detailed in the NASA Standing Review Board Handbook shall be strictly adhered to.	No change.

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2.2.5.2	The portion of the LCRs conducted by the SRB shall be convened by the Convening Authorities in accordance with Table 2-2.	<p>Project may request that Convening Authorities be tailored. Tailoring must be approved by requirement owner (i.e., OCE). Tailoring approval may be obtained via:</p> <ul style="list-style-type: none"> • Project Compliance Matrix (CM), or • Mission Directorate policy coordinated with and approved by OCE. OCE approval should be noted in the MD policy. MD policy should be referenced in Project CM. <p>Additional information on requesting tailoring of Convening Authorities will be included in updates of the SRB Handbook and the NASA Space Flight Program and Project Management Handbook.</p>
2.2.5.3	The program or project manager, the SRB chair, and the Center Director (or designated Engineering Technical Authority (ETA) representative) shall mutually assess the program's or project's expected readiness for the LCR and report any disagreements to the Decision Authority for final decision.	No change.
2.2.6	In preparation for these LCRs, the program or project manager shall generate the appropriate documentation per the Appendix I tables of this document, NPR 7123.1, and Center practices, as necessary, to demonstrate that the program's or project's definition and associated plans are sufficiently mature to execute the follow-on phase(s) with acceptable technical, safety, and programmatic risk.	<p>In preparation for the LCR, the project is required to generate documents supported with objective evidence which demonstrates the project's readiness to proceed to the next phase with acceptable technical, safety, and programmatic risk.</p> <p>During upfront planning, the project may propose a plan for the documents/formats to be generated and document the plan in the review plan and ToR. Documents/formats should be configuration-controlled and sufficient for review by the Independent Review Team (See Note 1.)</p> <p><i>(I-Table requirements for small CAT 3 projects are included at the end of this Guidance Matrix.)</i></p>

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2.2.8	Projects, single-project programs (and other programs at the discretion of the MDAA) with a life-cycle cost (LCC) or initial capability cost (see Section 2.4.1.3.b) estimated to be greater than \$250M shall perform earned value management (EVM) and comply with EIA-748, Standard for Earned Value Management Systems for all portions of work including in-house and contracted portions of the project.	NA small CAT 3 for in-house work. (See 2.2.8.2 for contracts.) (Threshold for EVM was raised to \$250M, therefore small Cat 3/Class D projects < \$150M are not required to do in-house EVM.)
2.2.8.1	Program and project managers with programs and projects subject to EVM shall utilize the NASA EVM Capability Process for in-house work.	NA small CAT 3
2.2.8.2	EVM system requirements for contracted work shall be applied to suppliers in accordance with the NASA Federal Acquisition Regulation (FAR) Supplement, independent of phase and the \$250M threshold (https://www.hq.nasa.gov/office/procurement/regs/NFS.pdf).	No change. SMD projects should refer to https://www.nasa.gov/sites/default/files/atoms/files/approved_smd_evms_deviation.pdf for tailoring guidance. All other projects should consult with OCFO for tailoring guidance.
2.2.8.3	Mission Directorates shall conduct an IBR in preparation for KDP C and for major changes that significantly impact the cost and schedule baseline.	No change.
2.2.8.4	EVMS surveillance shall be conducted on contracts and programs and projects with in-house work to ensure continued compliance with EIA-748, Standard for Earned Value Management Systems.	No change.
2.2.10	Program and project managers shall complete and maintain a Compliance Matrix (see Appendix C) for this NPR and attach it to the Formulation Agreement for projects in Formulation and/or the Program or Project Plan.	No change.

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2.2.11	Single-project programs and projects shall develop a Project Protection Plan that addresses NASA-STD-1006, Space System Protection Standard in accordance with NPR 1058.1, Enterprise Protection Program.	No change.
2.3.1	Each program and project shall have a Decision Authority the Agency's responsible individual who determines whether and how the program or project proceeds through the life cycle and the key program or project cost, schedule, and content parameters that govern the remaining life-cycle activities.	No change. (Mission Directorate Associate Administrators will consider delegation of decision authority of small CAT 3 projects at each Key Decision Point (KDP). Projects may propose delegation for MD consideration.)
2.3.1.1	The MDAA shall inform the NASA AA and Administrator via email on all Agency Baseline Commitments (ABCs) per the following: inform the NASA AA on ABCs for single-project programs and projects with a LCC or initial capability cost (see Section 2.4.1.3.b) greater than \$250M; and inform the NASA Administrator on ABCs for all single-project programs and projects with a LCC or initial capability cost greater than \$1B and all Category 1 projects. (See Section 2.4.1.5 for more information on ABCs.)	All projects develop an ABC. Only those at \$250M and above are reported to NASA AA or NASA Administrator. NA for small CAT 3. The DA will approve the internal ABC for small CAT 3 at KDP C.
2.3.2	Each program and project shall have a governing PMC.	No change.
2.3.4	The Center Director (or designee) shall oversee programs and projects usually through the CMC, which monitors and evaluates all program and project work (regardless of category) executed at that Center.	No change.
2.3.5	Following each LCR, the independent SRB chair and the program or project manager shall brief the applicable management councils on the results of the LCR to support the councils' assessments.	No change.

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2.4.1	The decisions by the Decision Authority on whether and how the program or project proceeds into the next phase shall be summarized and recorded in the Decision Memorandum signed at the conclusion of the governing PMC by all parties with supporting responsibilities, accepting their respective roles.	No change.
2.4.1.1	The Decision Memorandum shall describe the constraints and parameters within which the Agency, the program manager, and the project manager will operate; the extent to which changes in plans may be made without additional approval; any additional actions that came out of the KDP; and the supporting data (i.e., the cost and schedule datasheet) that provide further details.	No change.
2.4.1.2	A divergence from the Management Agreement that any party identifies as significant shall be accompanied by an amendment to the Decision Memorandum.	No change.
2.4.1.3	During Formulation, the Decision Memorandum shall establish a target LCC or initial capability cost range (and schedule range, if applicable) as well as the Management Agreement addressing the schedule and resources required to complete Formulation.	No change.
2.4.1.3 a	For single-project programs and projects with a LCC or initial capability cost greater than or equal to \$1B, the Decision Memorandum shall establish a high and low value for cost and schedule with the corresponding JCL value at KDP B.	NA small CAT 3
2.4.1.5	All single-project program managers and project managers shall document the Agency's LCC estimate or initial capability cost estimate and other parameters in the Decision Memorandum for Implementation (KDP C), and	No change.

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	this becomes the ABC.	
2.4.1.5. a	For all single-project programs and projects with a definite Phase E end point, the Agency's LCC estimate and other parameters shall become the ABC.	No change.
2.4.1.5. b	For single-project programs and projects that plan continuing operations and production, including integration of capability upgrades, with an unspecified Phase E end point, the initial capability cost estimate and other parameters shall become the ABC.	NA small CAT 3
2.4.1.7	Tightly coupled programs shall document their LCC estimate in accordance with the scope defined in the FAD or PCA, and other parameters in their Decision Memorandum at KDP I and update it at subsequent KDPs.	NA small CAT 3
2.4.1.8	Programs or projects shall be rebaselined when: (1) the estimated development cost exceeds the ABC development cost by 30 percent or more (for projects over \$250M, also that Congress has reauthorized the project); (2) the NASA AA judges that events external to the Agency make a rebaseline appropriate; or (3) the NASA AA judges that the program or project scope defined in the ABC has been changed or the project has been interrupted.	No change.
2.4.2	The program or project shall document the basis of estimate (BOE) for cost estimates and planned schedules in retrievable program or project records.	No change.
2.4.3.1 a.	Single-project programs with an estimated LCC under \$1B and projects with an estimated LCC greater than \$250M and under \$1B shall provide a range of cost and a range for schedule, each range (with confidence levels identified for the low and high values of the range) established by a probabilistic analysis and based on identified resources	NA small CAT 3

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	and associated uncertainties by fiscal year.	
2.4.3.1 b.	Single-project programs and projects with an estimated LCC greater than or equal to \$1B shall develop a JCL and provide a high and low value for cost and schedule with the corresponding JCL value (e.g., 50 percent, 70 percent).	NA small CAT 3
2.4.3.2	At KDP C, single-project programs (regardless of LCC) and projects with an estimated LCC greater than \$250M shall develop a cost-loaded schedule and perform a risk-informed probabilistic analysis that produces a JCL.	NA small CAT 3
2.4.3.3	At CDR, single-project programs and projects with an estimated LCC greater than or equal to \$1B shall update their KDP C JCL and communicate the updated JCL values for the ABC and Management Agreement to the APMC for informational purposes.	NA small CAT 3
2.4.3.4	At KDP D, single-project programs and projects with an estimated LCC greater than or equal to \$1B shall update their JCL if current reported development costs have exceeded the development ABC cost by 5 percent or more and document the updated JCL values for the ABC and Management Agreement in the KDP D Decision Memorandum.	NA small CAT 3
2.4.3.5	When a single-project program (regardless of LCC) or project with an estimated LCC greater than \$250M is rebaselined, a JCL shall be calculated and evaluated as a part of the rebaselining approval process.	NA small CAT 3
2.4.4.1	At KDP B, Mission Directorates shall plan and budget single-project programs and projects with an estimated LCC greater than or equal to \$1B based on a 70 percent JCL or as approved by the Decision Authority.	NA small CAT 3

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2.4.4.2	At KDP C, Mission Directorates shall plan and budget single-project programs (regardless of LCC) and projects with an estimated LCC greater than \$250M based on a 70 percent JCL or as approved by the Decision Authority.	NA small CAT 3
2.4.4.3	At KDP B and KDP C, any JCL approved by the Decision Authority at less than 70 percent shall be justified and documented in a Decision Memorandum.	NA small CAT 3
2.4.4.4	At KDP C, Mission Directorates shall ensure funding for single-project programs (regardless of LCC) and projects with an estimated LCC greater than \$250M is consistent with the Management Agreement and in no case less than the equivalent of a 50 percent JCL or as approved by the Decision Authority.	NA small CAT 3 (Management Agreements are applicable to all programs and projects, including small CAT 3 projects.)
2.4.4.5	At KDP C, any funding approved by the Decision Authority that is inconsistent with the Management Agreement or less than 50 percent JCL shall be justified and documented in a Decision Memorandum.	NA small CAT 3 (See 2.4.4.4.)
2.4.5	Tightly coupled, loosely coupled, and uncoupled-programs shall provide analysis of the program's risk posture to the governing PMC as each new project reaches KDP B and C or when a project's ABC is rebaselined.	NA small CAT 3
3.3.1	Programs and projects shall follow the Technical Authority (TA) process established in this Section 3.3.	No change.
3.4.1	Programs and projects shall follow the Formal Dissent process in this Section 3.4.	No change.
3.5.1	Programs and projects shall follow the tailoring process in this Section 3.5.	Project may propose, in coordination with Mission Directorate, that the DA serve as the tailoring approval authority for selected (2.2.3, 2.2.4, and 2.2.6) NPR 7120.5 requirements.
3.5.5	A request for a permanent change to a prescribed requirement in an Agency or Center document that is	No change.

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	applicable to all programs and projects shall be submitted as a “change request” to the office responsible for the requirement policy document unless formally delegated elsewhere.	
3.6.1	Center Directors negotiating reimbursable space flight work with another agency shall propose NPR 7120.5 as the basis by which it will perform the space flight work.	No change.
3.7.1	Each program and project shall perform and document an assessment to determine an approach that maximizes the use of SI.	No change.

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<p>Note 1: Most of the small CAT 3 project products identified in the NPR 7120.5 I-Tables, as applicable and tailored to the project, may be included as sections of the Project Plan, or may be a different format other than a separate document. This may include configuration-controlled presentation slides, spread sheets, or similar. It should be the documentation the project uses to do its work and is sufficient for review by the Standing Review Board. Following is the list of Tables I-4 and I-5 product requirements. Unless noted otherwise, this note is applicable to these product requirements.</p>		
<p>Table 1-4 - Project Milestone Products Maturity Matrix</p>		
Table I-4 1.	FAD [Baseline at MCR] [Required per NPR 7120.5]	FAD is produced by Mission Directorate or Program. Project does not produce the FAD but must align to it in their formulation planning.
Table I-4 2.	Program Plan [Baseline at MCR] [Required per NPR 7120.5]	Program Plan is produced by the Program. Project does not produce the Program Plan but must align to it in their project planning.
Table I-4 2.a	Applicable Agency strategic goals [Baseline at MCR] [Required per NPR 7123.1]	No change: All projects must be able to trace to the Agency Strategic Plan. This is normally documented and flowed down through FAD, PCA, Program Plan, FA, and Project Plan to show traceability to the goals and objectives in the Agency Strategic Plan.
Table I-4 2.b	Documentation of program-level requirements and constraints on the project (from the Program Plan) and stakeholder expectations, including mission objectives/goals and mission success criteria [Baseline at SRR] [Required per NPR 7123.1]	No change.
Table I-4 2.c	Documentation of driving mission, technical, and programmatic ground rules and assumptions [Baseline at SDR/MDR] [Required per NPR 7120.5]	No change.
Table I-4 3.	Partnerships and interagency and international agreements [Baseline U.S. partnerships and agreements at SDR/MDR; Baseline International agreements at PDR]	No change.

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Table I-4 4.	ASM Decision Memorandum or ASM meeting summary [additional information in NPD 1000.5]	NA small CAT 3.
Table I-4 5.	Mishap Preparedness and Contingency Plan [Baseline at SMSR] [Required per NPR 8621.1]	No change.

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Table I-4 – Project Technical Products		
Table I-4 1.	Concept Documentation [Approve at MCR] [Required per NPR 7123.1]	No change.
Table I-4 2.	Mission, Spacecraft, Ground, and Payload Architectures [Baseline mission and spacecraft architecture at SRR; Baseline ground and payload architectures at SDR/MDR] [Required per NPR 7123.1]	No change.
Table I-4 3.	Project-Level, System, and Subsystem Requirements [Baseline project-level and system-level requirements at SRR; Baseline subsystem requirements at PDR] [Required per NPR 7123.1]	No change.
Table I-4 4.	Design Documentation [Baseline at CDR] [Required per NPR 7123.1]	No change.
Table I-4 5.	Operations Concept Documentation [Baseline at PDR] [Required per NPR 7120.5]	No change.
Table I-4 6.	Technology Readiness Assessment Documentation [Required per NPR 7120.5 Appendix F FA Template]	No change.
Table I-4 7.	Engineering Development Assessment Documentation [Required per NPR 7120.5 Appendix F FA Template]	No change.
Table I-4 8.	Heritage Assessment Documentation [Required per NPR 7120.5 Appendix F FA Template]	No change.
Table I-4 9.	Systems Safety Analyses (e.g., safety data packages) [Baseline at CDR] [Required per NPR 8715.3]	No change.
Table I-4 10.	Payload Safety Process Deliverables [Baseline at SIR] [Required per NPR 8715.7]	No change.

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Table I-4 11.	Verification and Validation Report [Baseline at MRR/FRR] [Required per NPR 7123.1]	No change.
Table I-4 12.	Operations Handbook [Baseline at ORR] [additional information in NPR 7120.5 Appendix A]	No change.
Table I-4 13.	Orbital Debris Assessment Report [Final at SMSR] [Required per NPR 8715.6]	No change.
Table I-4 14.	End of Mission Plans [Baseline at SMSR] [Required per NPR 8715.6; additional information in NASA-STD-8719.14, App B]	No change.
Table I-4 16.	Decommissioning/Disposal Plan [Baseline at DR] [Required per NPR 7123.1]	No change.
Table I-4 17.	Industrial Base and Supply Chain Risk Management (SCRM) Strategy and Status [Baseline at PDR] [Required per NPR 8735.2]	No change.
Table I-4 18.	Criticality Identification Method for Hardware [Baseline at PDR] [Required per NPR 8735.2]	No change.

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Table I-4 – Project Management, Planning, and Control Products		
Table I-4 1.	Formulation Agreement [Baseline for Phase A at MCR; Baseline for Phase B at SDR/MDR] [Required per NPR 7120.5]	No change. See 2.2.3 - May be standalone document covering FA content topics as applicable and tailored to the project or project may propose that FA be included in preliminary Project Plan.
Table I-4 2.	Project Plan [Baseline at PDR] [Required per NPR 7120.5]	No change. Standalone document covering Project Plan content topics as applicable and tailored to the project
Table I-4 3.	Documentation of performance against Formulation Agreement (see #1 above) or against plans for work to be accomplished during Implementation life-cycle phase, including performance against baselines and status/closure of formal actions from previous KDP [Required per NPR 7120.5]	No change.
Table I-4 4.	Project Baselines [Baseline at PDR]	No change.
Table I-4 4.a	Top technical, cost, schedule and safety risks, risk mitigation plans, and associated resources [Required per NPR 7120.5]	No change.
Table I-4 4.b	Staffing requirements and plans [Required per NPR 7120.5]	No change.
Table I-4 4.c.i	Infrastructure requirements and plans [Required per NPR 9250.1, NPD 8800.14, and NPR 8820.2] Business case analysis for infrastructure [Required per NPR 8800.15.]	No change.
Table I-4 4.c.ii	Capitalization Determination Form (CDF) (NASA Form 1739) [Required per NPR 9250.1]	No change.

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Table I-4 4.d	Schedule [Baseline Integrated Master Schedule at PDR] [Required per NPR 7120.5]	No change.
Table I-4 4.e	Cost Estimate [Baseline at PDR] [Required per NPR 7120.5]	No change.
Table I-4 4.f	Basis of Estimate (cost and schedule) [Required per NPR 7120.5]	No change.
Table I-4 4.g	Confidence Level(s) and supporting documentation [Baseline at PDR] [Required per NPR 7120.5]	NA small CAT 3
Table I-4 4.h	External Cost and Schedule Commitments [Baseline at PDR] [Required per NPR 7120.5]	NA small CAT 3 (Small CAT 3 projects have internal cost and schedule commitments)
Table I-4 4.i	CADRe [Baseline at SRR] [Required per NPR 7120.5]	No change.
Table I-4 4.j	PMB [Baseline at PDR] [Required per NPR 7120.5]	No change.

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Table I-5 – Project Plan Control Plans Maturity Matrix		
Table I-5 1.	Technical, Schedule, and Cost Control Plan [Baseline at SDR/MDR] [Required per NPR 7120.5]	No change.
Table I-5 2.	Safety and Mission Assurance Plan [Baseline at SRR] [Required per NPRs 8705.2 and 8705.4]	No change.
Table I-5 3.	Risk Management Plan [Baseline at SRR] [Required per NPR 8000.4]	No change.
Table I-5 4.	Acquisition Strategy [Baseline at SRR] [Required per NPD 1000.5]	No change.
Table I-5 6.	Systems Engineering Management Plan [Baseline at SRR] [Required per NPR 7123.1]	No change.
Table I-5 7.	System Security Plan [Baseline at CDR] [Required per NPR 2810.1]	No change.
Table I-5 8.	Software Management Plan(s) [Baseline at SDR/MDR] [Required per NPR 7150.2; additional information in NASA-STD-8739.8]	No change.
Table I-5 9.	Verification and Validation Plan [Baseline at PDR] [Required per NPR 7120.5, additional information in NPR 7123.1]	No change.
Table I-5 10.	Review Plan [Baseline at SRR] [Required per NPR 7120.5]	No change.
Table I-5 11.	Mission Operations Plan [Baseline at ORR] [Required per NPR 7120.5]	No change.
Table I-5 12.	NEPA Compliance Documentation [Baseline at SDR/MDR] [Required per NPR 8580.1]	No change.
Table I-5 13.	Integrated Logistics Support Plan [Baseline at PDR] [Required per NPD 7500.1]	No change.

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Table I-5 15.	Integration Plan [Baseline at PDR] [Required per NPR 7120.5]	No change.
Table I-5 16.	Configuration Management Plan [Baseline at SRR] [Required per NPR 7120.5; additional information in NPR 7123.1 and SAE/EIA 649]	No change.
Table I-5 17.	Security Plan [Baseline at PDR] [Required per NPR 1040.1 and NPR 1600.1]	No change.
Table I-5 18.	Project Protection Plan [Baseline at PDR] [Required per NPR 1058.1; additional information in NASA-STD-1006]	No change.
Table I-5 19.	Technology Transfer (formerly Export) Control Plan [Baseline at PDR] [Required per NPR 2190.1]	No change. If project has anything related to Export Control, will need to comply per Tech Transfer requirements.
Table I-5 21.	Human Rating Certification Package [Initial at SRR; certified at MRR/FRR] [Required per NPR 8705.2]	No change. Only required if applicable. If applicable, document in compliance with Human Rating Certification Package requirements.
Table I-5 22.	Planetary Protection Plan [Baseline at PDR] [Required per NPD 8020.7 and NPR 8020.12]	No change. Only required if applicable. If applicable, document in compliance with Planetary Protection requirements.
Table I-5 23.	Nuclear Launch Authorization Plan [Baseline at SDR/MDR] [additional information in NPR 8715.3]	No change. Only required if applicable. If applicable, document in compliance with Nuclear Launch Authorization Plan requirements.
Table I-5 24.	Range Safety Risk Management Process Documentation [Baseline at SIR] [Required per NPR 8715.5]	No change.

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Table I-5 26.	Quality Assurance Surveillance Plan [Baseline at SDR] [Required per NPR 8735.2 and NASA FAR Supplement part 1837.604]	No change.
Table I-5 27.	Orbital Collision Avoidance Plan [Baseline at PDR] [Required per NID 7120.132]	No change.
Table I-5 28.	Human Systems Integration Plan [Baseline at SRR] [additional information in NASA/SP-20210010952 NASA HSI Handbook and NPR 7123.1]	No change. Only required if applicable. If applicable, document in compliance with Human Systems Integration Plan requirements.

Para #	NPR 7120.5F Best Practice	Implementation Guidance for Small CAT 3
<p>Note 2: <i>The I-Table products listed below are considered “Best Practices”. (They are not requirements.) The expectation is that these products will be developed per the I-Table as part of normal program/project management activities.</i></p>		
<p>Table 1-4 - Project Technical Products</p>		
Table I-4 15.	Final Mission Report [additional information in NPR 7120.5 Appendix A]	Developed at project’s discretion.
Table I-4 19.	Hardware Quality Data Management Analytics [additional information in NPR 8735.2]	Developed at project’s discretion.
<p>Table 1-5 – Project Plan Control Plans Maturity Matrix</p>		
Table I-5 5.	Technology Development Plan (may be part of Formulation Agreement) [additional information in NPR 7500.2, NPR 7123.1, and NPR 7120.5]	Developed at project’s discretion.
Table I-5 14.	Science Data Management Plan [additional information in NPD 2200.1 and NPRs 2200.2, 1441.1, and 8020.12]	Developed at project’s discretion.
Table I-5 20.	Knowledge Management Plan [additional information in NPD 7120.4 and NPD 7120.6]	Developed at project’s discretion.
Table I-5 25.	Communications Plan [additional information in NPR 7120.5]	Developed at project’s discretion.