

Traceability of SMARTS Requirements from Document: various for Project: Constellation (CxP)

Filter Settings: Tech Authority: Any | OSMA Opinion: Y | CxP Implementation: F

Parent Doc Num	Parent Doc Para	Parent Req ID	Parent Req Text	Tech Auth	OSMA Opinion	CxP Impl'n	CxP Discipline	CxP Document(s)	CxP Doc Para	CxP Doc Req
NPR 8705.4	1.2.1	32906	As early in the formulation process as possible, the Enterprise shall establish an acceptable risk classification level for each NASA and NASA-sponsored payload. As with all requirements, the risk classification level may evolve throughout the iterative formulation process, but shall be formally documented and approved in program/project plans and Level 1 requirements prior to the Preliminary Design Review and transition into the implementation phase (Requirement 32906).	S	Y	F	Risk			
NPR 8705.4	1.3.2	32911	Centers and Enterprises shall develop or update policies, standards, and/or guidelines to adapt and expand upon the examples in Appendix B for the unique needs of their programs and projects (Requirement 32911). Each subset of guidelines described by the examples in Appendix B is intended to serve as a starting point for establishment of assurance criteria, mission design, and test programs tailored to the needs of a specific project. The intent is to generate discussion of implementation methodologies in order for the programs, projects, Centers, the GPMC, and the Enterprise to make informed decisions.	S	Y	F	Risk			
NPR 8705.4	1.3.3	32912	In all cases, this does not limit or constrain the flexibility of a project to deviate from the guidelines, provided that the concurrence and approvals of cognizant Center organizations, GPMCs, and the Enterprise offices are obtained for the specific project approach (Requirement 32912).	S	Y	F	Risk			
NPR 8705.4	1.3.5	32914	All programs/projects shall conform to all applicable NASA safety requirements (Requirement 32914).	S	Y	F	Risk			
NPR 8705.4	2.1.a(1)	32917	Enterprise Offices shall: Establish and document the risk classification level for each payload or payload element (Requirement 32917).	S	Y	F	Risk			
NPR 8705.4	2.1.b	32919	Enterprise Offices shall: Concur on/approve the project approach for achieving the risk classification level designated, including deviations from the guidelines) (Requirement 32919).	S	Y	F	Risk			
NPR 8705.4	2.1.c	32920	Enterprise Offices shall: Enterprise Offices shall: Establish a set of mission Level 1 requirements for each payload or payload element that reflects the key objectives of the program (Requirement 32920).	S	Y	F	Risk			
NPR 8705.4	2.1.d	32921	Enterprise Offices shall: Notify the NASA Chief Engineer of the assigned payload risk classification level (Requirement 32921).	S	Y	F	Risk			
NPR 8705.4	2.2.a	32923	GPMC shall: Concur on the risk classification level (Requirement 32923).	S	Y	F	Risk			
NPR 8705.4	2.2.b	32924	GPMC shall: Concur on the project s approach to achieving the risk classification level designated (Requirement 32924).	S	Y	F	Risk			
NPR 8705.4	2.2.c	32925	GPMC shall: Concur on the acceptance of all primary risks, as defined by NPR 7120.5 (Requirement 32925).	S	Y	F	Risk			
NPR 8705.4	2.3.a	32927	Project offices shall: Recommend a risk classification level designation for proposed payload or payload element (Requirement 32927).	S	Y	F	Risk			
NPR 8705.4	2.3.b	32928	Project offices shall: Recommend appropriate risk classification levels for lower levels of assembly (Requirement 32928).	S	Y	F	Risk			
NPR 8705.4	2.3.c	32929	Project offices shall: Plan and implement a balanced development/acquisition approach for achieving the risk classification level designated. (Requirement 32929).	S	Y	F	Risk			
NPR 8705.4	2.3.d	32930	Project offices shall: Coordinate the development/acquisition plan and implementation with the Enterprise office (Requirement 32930).	S	Y	F	Risk			
NPR 8705.4	2.3.e	32931	Project offices shall: Maintain project approval documentation to include current risk classification level designation together with a description of any deviations from the guidelines in Appendix B (Requirement 32931). This is typically documented in the risk management section of the project plan.	S	Y	F	Risk			
NPR 8705.4	2.4.a	32933	The Associate Administrator for Safety and Mission Assurance shall: Exercise general oversight and coordinate Agencywide implementation of this NPR (Requirement 32933).	S	Y	F	Risk			
NPR 8705.4	2.4.b	32934	The Associate Administrator for Safety and Mission Assurance shall: Support Enterprise offices in the development and review of payload risk classification level designations (Requirement 32934).	S	Y	F	Risk			
NPR 8705.4	2.5	32935	Center Safety and Mission Assurance organizations shall provide input to the project office assessment and recommendation of risk classification levels and assess the risks associated with the tailoring selections of Center safety and mission assurance requirements per Appendix B (Requirement 32935).	S	Y	F	Risk			
NPR 8705.4	2.6	32936	The Office of the Chief Engineer shall serve as the Agencywide focal point for collection and correlation of payload risk classification levels and in-flight failure information and dissemination of lessons learned (Requirement 32936).	S	Y	F	Risk			

Opinion/Impl'n Key: Y = Yes, N = No, U = Unassigned, F = Future, C = Conditional, O = Other, D = Program Disagrees, I = Institutional, X = Not SMA Requirement, R = Resolve, P = Partial Implementation, V = Variance Approved

Tech Auth Key: S = SMA, E = Engineering, A = Administrator, H = Heath, I = Informaton, P = Planet Protection, F = Facility Admin, U = Unassigned