

- The timing of safety analyses must be consistent with the engineering milestones outlined in the [FAA Systems Engineering Manual](#) (see Table 9.1).
- Any SRM panel facilitated or conducted by the system developer (i.e., for a System Safety Hazard Analysis or System Hazard Analysis) must include Subject Matter Experts (SMEs), particularly those who can provide input from an operational perspective.
- The FAA must actively review and be able to modify/comment on the safety analysis documentation as the system developer is preparing it, not after its final delivery.

Table 9.1: FAA System Development / Decision Milestones

Milestone Description	AMS Phase
Concept and Requirements Definition Readiness Decision	Service Analysis and Strategic Planning*
Functional Hazard Assessment (FHA) conducted	Concept and Requirements Definition
Safety requirements (from the FHA, Safety Collaboration Team-sanctioned analyses, and other sources) defined	
Preliminary PRD approved	
Initial Investment Analysis Plan (IAP) approved	
PSP prepared and approved	
Operational Safety Assessment (OSA) conducted and approved	
Safety Requirements Verification Table (SRVT) tracking began	
IARD	
Operational Capability Demonstration completed**	Initial Investment Analysis
Additional safety requirements (from the OSA) defined	
Safety input provided in the Program Management Plan (PMP), Implementation Strategy and Planning Document (ISPD), IAP, and preliminary Test and Evaluation Master Plan (TEMP)	
PSP updated	
Comparative Safety Assessment (CSA) prepared and approved	
Additional safety requirements (from the CSA) defined	
PRD update approved	
Preliminary Business Case Analysis approved	
Final IAP approved	
IID	Final Investment Analysis
Updated safety input to the PMP, the ISPD, and the initial TEMP provided	
PSP updated	
DIDs for safety analyses, the SSPP, and software development deliverables identified (including contractual language ensuring government involvement in developer-led SRM panels and early government approval of the Plan for Software Aspects of Approval (PSAA)	
System contract specification approved	
Screening Information Request released	