

Project Life Cycle

PROJECT ACQUISITION PROCESS AND CRITICAL DECISIONS					
Initiation/Definition Phase		Project Execution Phase			Closeout
Preconceptual Planning	Conceptual Design	Preliminary Design	Final Design	Construction	Operations
★ CD-0 Approve Mission Need	★ CD-1 Approve Alternative Selection & Cost Range	★ CD-2 Approve Performance Baseline	★ CD-3 Approve Start of Construction	★ CD-4 Approve Start of Operations or Project Closeout	
CD-0	CD-1	CD-2	CD-3	CD-4	
Actions Authorized by Critical Decision Approval					
<ul style="list-style-type: none"> • Proceed with conceptual design using program funds • Request PED funding 	<ul style="list-style-type: none"> • Allow expenditure of PED funds for design 	<ul style="list-style-type: none"> • Establish baseline budget for construction • Continue design • Request construction funding 	<ul style="list-style-type: none"> • Approve expenditure of funds for construction 	<ul style="list-style-type: none"> • Allow start of operations or project closeout 	
Critical Decision Prerequisites					
<ul style="list-style-type: none"> • Justification of mission need document • Acquisition Strategy • Preconceptual planning • Mission Need Independent Project Review 	<ul style="list-style-type: none"> • Acquisition Plan • Conceptual Design Report • Preliminary Project Execution Plan and baseline range • Project Data Sheet for design • Verification of mission need • Preliminary Hazard Analysis Report 	<ul style="list-style-type: none"> • Preliminary design • Review of contractor project management system • Final Project Execution Plan and performance baseline • Independent cost estimate • National Environmental Policy Act documentation • Project Data Sheet for construction • Draft Preliminary Safety Analysis Report (if req'd) • Performance Baseline External Independent Review 	<ul style="list-style-type: none"> • Update Project Execution Plan and performance baseline • Final design and procurement packages (**) • Verification of mission need • Budget and congressional authorization and appropriation enacted • Approval of Safety documentation • Execution Readiness Independent Review or Independent Project Review 	<ul style="list-style-type: none"> • Operational Readiness Evaluation • Project transition to operations report • Final Safety Analysis Report 	
				<p style="text-align: center;">After CD-4</p> <p style="text-align: center;"><u>Closeout</u></p> <ul style="list-style-type: none"> • Project closeout report recommended 	

(**) To the degree appropriate to initiate construction as scheduled.