



IT Solutions Lifecycle Management (ITSLCM) Framework

Legend		Phases			Solution Implementation (Development, Modernization, Enhancement)			Operations & Maintenance (Steady State & Managed Services)		Disposition					
Gov. Gate Reviews (GGR) / IPT Reviews (IPT)	Preliminary (P) / Update (U) / Finalize (F)	IT Program (Authorization)	ITPRB (IT Portfolio Registration Review)	ITPRB (Prioritize Review)	ITPRB (Semi-Annual Program Review)	ITPRB (Quarterly Project Review)	ITPRB (Design Review)	ITPRB (PIR & Annual OA)	ITPRB (Disposition Review)						
Roles	Deliverables (D)	IT Standards (S)													
Program Management BUSINESS PROGRAM MANAGER IT PROGRAM MANAGER INTEGRATED PROGRAM TEAM (IPgT) > CHIEF ENTERPRISE ARCHITECT (CEA) > RELEASE MANAGER > CONTRACTING OFFICER > INFORMATION SYSTEM SECURITY OFFICER BUSINESS OWNER/SPONSOR STEERING/OVERSIGHT COMMITTEE	<ul style="list-style-type: none"> Contact CEA with business need at AskEA@pbcc.gov CEA reviews enterprise program solutions to determine resolution: <ul style="list-style-type: none"> EXISTING: Obtain access to existing solution (STOP)* ENHANCE EXISTING: Inform ITPRB, and submit to Program CCB* NEW: Finalize sponsorship and IT Program Plan (Section A - Charter), and submit for ITPRB Review * Reference TRM/ETA for current, planned, and approved technologies/systems 	<ul style="list-style-type: none"> Update/Build IT Program Plan with IPgT: <ul style="list-style-type: none"> Identify IPgT and define Roles and Responsibilities Perform Business Needs Analysis (BNA), Business Process Assessment, and identify business and IT gaps, including system replacements Determine strategic alignment (e.g. Legislative, Audit, Strategic Plan, etc.) Conduct Alternatives Analysis and Cost Benefit Analysis (including Information Security considerations) Develop IGCE, including impacts to other programs Develop Acquisition Strategy Develop Risk, Issue, Quality, Configuration, Communication Plans and Matrices Define program reporting/oversight Prioritize program requirements and program schedule with IPgT stakeholders (Business, EA, IT Security, and Infrastructure, etc.) Finalize IT Program Plan Reflect IGCE in departmental budget formulation/request 	<ul style="list-style-type: none"> Establish Program CCB Update IT Program Plan with results of product selection and refined IGCE 	<ul style="list-style-type: none"> Execute according to the IT Program Plan Maintain IT Program Plan Note: Information in IT Program Plan will be used for Semi-Annual Program Review <ul style="list-style-type: none"> Perform program monitoring and reporting For Major: Monthly steering committee reporting (cost and schedule performance using EV), recurring For Non-Major: Monthly steering committee reporting of cost and schedule 	<ul style="list-style-type: none"> Perform program monitoring and reporting <ul style="list-style-type: none"> For Major & Non-Major: Monthly steering committee reporting of cost and schedule, ITPRB reporting Conduct Operational Analysis (OA) <ul style="list-style-type: none"> Perform Post Implementation Review (PIR) Perform Annual Operational Analysis Review Update IT Program Plan with annual maintenance/steady state tasks including results Operational Analysis Note: Info in IT Program Plan will be used for PIR, OA, and OMB Reporting 	<ul style="list-style-type: none"> Update IT Program Plan with authority to close out program and/or dispose of IT solution Update Deployment and Disposition Plan Close out program 	<ul style="list-style-type: none"> IT Program Plan (Section A - Charter) (U) [D] IT Portfolio Registration Presentation [D] 	<ul style="list-style-type: none"> IT Program Plan (Sections B-F; H) (U) [D] Business Need Analysis Document (e.g. Segment Architecture or Architectural Analysis) [D]* Business Needs Analysis (S) 	<ul style="list-style-type: none"> IT Program Plan (Section C) (U) [D] Program Performance Reports [D] 	<ul style="list-style-type: none"> IT Program Plan (Sections C and G) (U) [D] 	<ul style="list-style-type: none"> Deployment and Disposition Plan (F) [D] IT Program Plan (Section C) (U) [D] 				
	Project & Technology Management BUSINESS PROJECT MANAGER IT PROJECT MANAGER INTEGRATED PROJECT TEAM (IPT) > CONTRACTING OFFICER'S REPRESENTATIVE > ENTERPRISE ARCHITECT REPRESENTATIVE > IMPACTED PROJECT MANAGERS > RELEASE MANAGER/ANALYST (RM/A) > INFORMATION SYSTEM SECURITY OFFICER			<ul style="list-style-type: none"> TRB (Product Selection Review) 	<ul style="list-style-type: none"> CAB (Infrastructure Resources Review) Requirements (Technology Solution Review) Design (Technology Solution Review) ITPRB (Quarterly Project Review) TRB (Design Review) Production Readiness Validation CAB (Production/COOP Deployment Review) 	<ul style="list-style-type: none"> Stabilize the solution Grant access to users Set up service desk support Transition to O&M Execute Implementation Strategy and Training Plan Document Lessons Learned and Project Closeout 	<ul style="list-style-type: none"> Execute Deployment and Disposition Plan Perform monitoring and reporting (i.e. provide updates to IT Program Plan) Conduct solution disposition reviews 	<ul style="list-style-type: none"> Execute selected Development Approach 	<ul style="list-style-type: none"> Select development approach Develop Cost Loaded Project Schedule Conduct Solution Product and Technology Analysis Develop high level design from high level requirements, including integration with other systems, and submit for CAB review Refine IGCE 	<ul style="list-style-type: none"> Analyze and document detailed requirements (functional, technical, etc.) Develop design specifications Develop/configure solution Conduct testing tasks (functional, system, performance) Document operations and maintenance needs Deploy solution to production/COOP Requirements Document [D] Design [D] Lessons Learned Document [D] 	<ul style="list-style-type: none"> User Manual [D] Implementation & Training Plan [D] Deployment and Disposition Plan (U) [D] 	<ul style="list-style-type: none"> Deployment and Disposition Plan (U) [D] 	<ul style="list-style-type: none"> Deployment and Disposition Plan (P) [D] Cost Loaded Project Schedule [D] 	<ul style="list-style-type: none"> Alternative Analysis (S) Deployment and Disposition Plan (S) 	<ul style="list-style-type: none"> Requirements Document (S) Design (S) Development (S) Enterprise Data (S)
Cyber Security INFORMATION SYSTEM OWNER/INFORMATION OWNER INFORMATION SYSTEM SECURITY OFFICER AUTHORIZING OFFICIAL CHIEF INFORMATION SECURITY OFFICER (CISO)					<ul style="list-style-type: none"> ATO (Go Live) 	<ul style="list-style-type: none"> Continuous Monitoring 	<ul style="list-style-type: none"> Perform Security Registration Process Begin Security Assessment & Authorization (SA&A) 	<ul style="list-style-type: none"> Conduct Security Impact Analysis Complete Security Assessment & Authorization (SA&A) Develop MOUs, SLAs, and Intra-agency Agreements, as needed 	<ul style="list-style-type: none"> Obtain Authority to Operate 	<ul style="list-style-type: none"> Security Registration Document [D] Security Risk Assessment (P) [D] System Security Plan (P) [D] Cybersecurity and Privacy Catalog (S) * 	<ul style="list-style-type: none"> System Security Plan (F) [D] Security Risk Assessment (F) [D] MOUs, SLAs, and/or Intra-agency Agreements [D] Cybersecurity and Privacy Catalog (S) * 	<ul style="list-style-type: none"> Security Authorization Package [D] Cybersecurity and Privacy Catalog (S) * 	<ul style="list-style-type: none"> Security Authorization Package [D] Cybersecurity and Privacy Catalog (S) * 		
	External Processes	<ul style="list-style-type: none"> IT Risk Management 	<ul style="list-style-type: none"> Business Needs Analysis IT Risk Management Acquisition 	<ul style="list-style-type: none"> Budget Formulation & Execution Configuration Management Release and Deployment Management 	<ul style="list-style-type: none"> Configuration Management Release and Deployment Management Acquisition 	<ul style="list-style-type: none"> Change Management IT Risk Management 	<ul style="list-style-type: none"> IT Service/Incident/Problem Management 	<ul style="list-style-type: none"> Configuration Management IT Risk Management Acquisition 	<ul style="list-style-type: none"> Change Management IT Service/Incident/Problem Management 	<ul style="list-style-type: none"> Change Management Configuration Management IT Risk Management Acquisition 					