Configuration Management

Mission Analysis - Service Analysis
- Support as Required

Mission Analysis - Concept & Requirements Definition
- Support as Required

Investment Analysis - Initial Investment Analysis
- Support as Required

Investment Analysis - Final Investment Analysis
- Develop CM Requirements → Develop CM Strategy → Define CM Activities
- Develop CM Cost and Schedule → Define Interface Requirements → Incorporate CM Requirements in the SIR
- Provide CM Support During Source Selection

Solution Implementation
- Establish CM Program Support Library → Establish Functional Baseline → Monitor Contractor CM Activities
- Establish Allocated Baseline → Establish Test Configuration Baseline → Establish Facility / Site Baselines
- Conduct Functional Configuration Audit → Conduct Physical Configuration Audit → Establish Product Baseline

In-Service Management
- Perform Configuration Status Accounting → Perform Configuration Change Management → Manage Configuration of Product Upgrades

Environmental, Occupational Safety and Health

Mission Analysis - Service Analysis
- Support as Required

Mission Analysis - Concept & Requirements Definition
- Support as Required

Investment Analysis - Initial Investment Analysis
- Designate EOSH Subject Matter Expert (SME) → Identify EOSH Requirements for Program Alternatives → Incorporate EOSH Requirements into Program Requirements Document

Investment Analysis - Final Investment Analysis
- Tailor EOSH Requirements for Selected Alternative → Incorporate EOSH Requirements into Post Implementation Review (PIR) Strategy → Incorporate EOSH Requirements into Business Case Analysis Report (BCAR)
- Incorporate EOSH Requirements into Implementation Strategy and Planning Document (ISPD) → Incorporate EOSH Requirements into Technical Specification and Statement of Work (SOW) → Incorporate EOSH Requirements into Source Selection Criteria
- Tailor EOSH Requirements in Program's In-Service Review (ISR) Checklist

Solution Implementation
- Incorporate EOSH Requirements into Post Implementation Review (PIR) Plan → Incorporate EOSH Requirements into Designs and Implementation Plans → Conduct EOSH On-Site Assessment at Key Site

In-Service Management
- Provide EOSH Technical Support to Post Implementation Review (PIR) and Other Support as Required

Human Factors

Mission Analysis - Service Analysis
- Support as Required

Mission Analysis - Concept & Requirements Definition
- Support as Required

Investment Analysis - Initial Investment Analysis
- Designate Human Factors Coordinator → Establish Human Factors Working Group

Investment Analysis - Final Investment Analysis
- Incorporate Human Factors Strategy into the Implementation Strategy and Planning Document (ISPD) → Develop Integrated Human Factors Plan → Incorporate Human Requirements into System Specification and Statement of Work
- Include Human Factors in Source Evaluation Criteria

Solution Implementation
- Conduct Human Engineering Analyses → Apply Human Engineering to System Design → Test System Against Human Performance Requirements
- Conduct In-Service Review for Human Factors

In-Service Management
- Support as Required

Information Systems Security

Mission Analysis - Service Analysis
- Perform Security / Privacy Service Analyses → Perform Security Assessment During Research for Service Analysis

Mission Analysis - Concept & Requirements Definition
- Draft Security / Privacy Categorization, Requirements and Plans

Investment Analysis - Initial Investment Analysis
- Perform Initial Risk Analysis for Alternatives and Update ISSP and ISCP

Investment Analysis - Final Investment Analysis
- Perform Risk Analysis for Recommended Solution and Update SSP and ISCP

Solution Implementation
- Provide Risk Feedback on Design → Provide Risk Feedback on As-Built → Perform Security Assessments and Contingency Tests → Authorize Operation

In-Service Management
- Security Upgrade Insertion → Continuous Monitoring and Patching → Periodic Assessment and Re-Authorization → Termination and Disposal of Investment and Data

Integrated Logistics Support

Mission Analysis - Service Analysis
- Analyze Supportability Trends

Mission Analysis - Concept & Requirements Definition
- Develop Preliminary ILS Requirements

Investment Analysis - Initial Investment Analysis
- Update and Evaluate ILS Requirements for Investment Analysis

Investment Analysis - Final Investment Analysis
- Finalize Support Requirements → Develop ILS Input for the Procurement Package and Evaluation of Offerors → Tailor Logistic Elements of the ISR Checklist
- Define Maintenance Concept and Support Strategy for Selected Alternative

Solution Implementation
- Update ILS Documentation → Develop Reutilization and Disposition Plan → Acquire ILS Resources → Support Logistic Elements of the In-Service Review

In-Service Management
- Update LCC Cost Estimates and Funding Requirements → Perform Operational and Supportability Analyses → Develop Business Cases for Technology Refresh and Service-Life Extension → Assess ECPs and NCPs → Implement Reutilization or Disposition

Risk Management

Mission Analysis - Service Analysis
- Evaluate Operational Risks Associated with Performance or Service Gap Analysis

Mission Analysis - Concept & Requirements Definition
- Assess Operational Risk Associated with New Service Concepts → Assess Risk for Proposed Alternative Solutions and the Legacy Case

Investment Analysis - Initial Investment Analysis
- Identify and Evaluate Primary Risks Associated with New Service Concept or Alternative Solutions to Service Need

Investment Analysis - Final Investment Analysis
- Update Risk Assessment for the Selected Alternative → Evaluate ISR Checklist for Risk Items → Document Risk Management Strategy

Solution Implementation
- Develop Risk Management Plan for Solution Implementation → Implement Risk Mitigation and Monitor Risk Status → Identify, Quantify, and Mitigate New and Emerging Risks

In-Service Management
- Continue Risk Identification and Mitigation Activities

System Engineering

Mission Analysis - Service Analysis
- Perform Corporate Mission Analysis → Support Service Analysis

Mission Analysis - Concept & Requirements Definition
- Support Concept and Requirements Definition

Investment Analysis - Initial Investment Analysis
- Support Initial Investment Analysis

Investment Analysis - Final Investment Analysis
- Support Final Investment Analysis

Solution Implementation
- Define System Architectural Design → Analyze System Requirements → Develop System Architectural Design
- Develop System Detailed Design → Develop and Test Software Code → Integrate Software and Conduct Design Qualification Tests

In-Service Management
- Support as Required

Test and Evaluation

Mission Analysis - Service Analysis
- Conduct Test Activities in Support of Service Analysis

Mission Analysis - Concept & Requirements Definition
- Develop Test Requirements for the Preliminary Program Requirements Document

Investment Analysis - Initial Investment Analysis
- Conduct Test Activities in Support of Investment Analysis → Finalize Test Requirements for the Program Requirements Document
- Incorporate T&E Cost, Schedule, Performance, and Benefits into the Acquisition Program Baseline

Investment Analysis - Final Investment Analysis
- Develop Verification Requirements Traceability Matrix → Develop Test & Evaluation Strategy for the ISPD → Develop Test & Evaluation Activities and Tasks for the ISPD
- Develop Test & Evaluation Input to the Screening Information Request(s) → Obtain Independent Validation and Verification Support → Provide Test & Evaluation Support During Source Selection

Solution Implementation
- Approve Contractor Master Test Plan → Oversee Software Coding and CSU Testing → Conduct Integration Test Review → Oversee CSU / CSCI Integration and Testing → Oversee CSCI Integration and Testing → Oversee System Integration & Testing
- Oversee Hardware Configuration Item Integration and Testing
- Conduct Test Readiness Review → Witness Design Qualification Test → Conduct Production Acceptance Testing Each Unit → Prepare Plans / Procedures for Operational Testing → Conduct Operational Test → Conduct Site Acceptance Test
- Obtain Resources for Operational Testing
- Prepare Field Familiarization Test Plans / Procedures Key Site → Conduct Field Familiarization Testing at Key Site → Prepare Independent Operational Assessment Readiness Declaration → Prepare Plans / Procedures for IOA → Conduct Independent Operational Assessment

In-Service Management
- Conduct T&E During In-Service Management → ISM Needs and Requirements (TEGS Phase 1: Define It) → ISM Needs and Requirements (TEGS Phase 2: Design It) → ISM Development Test (TEGS Phase 3: Build It)
- ISM Key Site Test (TEGS Phase 4: Test It) → ISM Key Site Test (TEGS Phase 5: Key Site / National Deployment) → Conduct T&E in Support of Service-Life Extension

Deployment Planning

Mission Analysis - Service Analysis
- Support as Required

Mission Analysis - Concept & Requirements Definition
- Support as Required

Investment Analysis - Initial Investment Analysis
- Support as Required

Investment Analysis - Final Investment Analysis
- Establish Stakeholder POCs → Establish ISR Team → Develop ISR Checklist and Recommend ISD Authority
- Draft ISR Checklist → JRC Record of Decision

Solution Implementation
- Finalize ISR Checklist for VP Approval → ISR Checklist Status Review → ISD Entrance Criteria Review → Prepare Draft ISD Action Plan → Coordinate with Stakeholders → Complete Final ISD Briefing (Including Action Plan)
- Schedule / Hold Working-Level ISD Stakeholder Briefing → ISD Readiness Review → Schedule ISD Meeting → ISD Meeting with VP of Safety, Implementing, and Stakeholder Service Organizations
- Schedule Pre-ISD Meeting for VPs → Hold Pre-ISD Meeting for VPs → Shedule ISD Meeting → ISD Meeting with COO Recommendation by VP of Implementing Service Org → Schedule JRC Meeting → JRC Meeting
- ISD → Finalize ISD Documentation → Execute Monthly Update to Action Plan → Complete Action Plan → Notify ISD Authority → ISD Closeout Memo

In-Service Management
- Support as Required