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m Key	Materiel Solution Ana MDD ICD Milestone Documentation SEP TES Spectrum Certification ICE Compliance ACAT Designary	CCA Compliance Acquisition Plan Economic Analysis	Technology Developn MS A Draft CDD LCSP DT&E Report SEP APB Corrosion Prevention Cor Plan Documentation RFP EVMS	Exit Criteria Spectrum Supportability Determination PPP Spectrum Certification Compliance Review ent Service Cost Position (SCP) ACAT Designation	Engineering and Manufacturing ▲ MS B BCA	EVMS ICE	Production and Deployment		Final Production Baseline CPD APB Acquisition Strategy Major Modifications/ System Improvements CCE Final Production Baseline (H/W/S) CARD CARD EVMS CARD Acquisition Plan Acqu	
Major Prograr Events/Prod	AoA CARD TDS (input to RFP) ADM Exit Criteria		Acquisition Plan CORE Acquisition Strategy (input to the RFP) LCC TEMP AoA CCA Compliance Post-CDR/PDR Report Independent T TRA Independent R and Assessme CCDR CCA Compliance DAB Review LA Independent T TRA Independent R and Assessme CCDR PESHE/NEPA		CCE Corrosion ISP CCDR Prevention Control Plan Documentation CORE Independent TRA/ AoA TRA SEP LRIP Source Spectrum Selection Compliance TEMP	LA DT&E Report				
Logistics / Program / Technical Reviews	ITR ASR DAB Activities	Outputs	IBR SFR PDR SRR TRA LA Activities	DAB Outputs	IBR CDR TRA PDR TRR LA Activities	DAB Outputs	SVR PRR OTRR FCA AOTR PCA Activities	LA DAB Outputs	ISR Activities	Outputs
Product Support Management	Ensure Logistics trade studies/market research are incorporated in AoA and forecast product support for each alternative Identify Support and Maintenance Concepts and Technologies Develop initial Product Support inputs to Life Cycle Sustainment Plan (LCSP) Recommend Product Support Requirements for inclusion in the ICD Evaluate New and Existing Product Support Capabilities Identify Initial Sustainment Metrics Identify supportability risks/cost drivers Conduct supportability risk assessment/mitigation Develop initial supportability WBS/IMS Assess replaced system Product Support Package for applicability to new capability Develop Funding Requirements to Execute Product Support Concept Identify/Charter Product Support Team Incorporate initial support test strategy into TES IOT&E Develop initial Product Support inputs to HSI plan Identify product support requirements for inclusion in the RFP Participate in source selection and evaluation Support PM in preparation for Defense Acquisition Board (DAB) Review	Initial Life Cycle Sustainment Plan (LCSP) Product Support Alternatives (Included in AoA) Initial Funding Requirements for Product Support Concept (ICE, LCCE, CARD) Initial Product Support Concept (Included in Technology Development Strategy/Acquisition Strategy) Product Support IMS Product Support Test Strategy (Included in TES) Product Support Requirements (Included in RFP) Recommend Product Support Requirements (included in the ICD) Sustainment Metrics Product Support inputs to: • Technology Development Strategy (TDS) • Test and Evaluation Strategy (TES) • SEP • RAM-C Report • PESHE • CORE (50/50) • SOR/DSOR • LCCE/CARD • HSI Plan Milestone Decision - MS A	Update Life Cycle Sustainment Plan (LCSP) from Initial Support Strategy Update Supportability Risk Assessment and Identify Mitigation Strategy Influence Design for Supportability through participation in technical/program reviews Develop Product Support Strategy Develop Initial Disposal Strategy Develop Fielding Strategy Include CORE, 50/50, DSOR/SOR Update Funding Requirements to Execute Product Support Strategy Collect and collate IPS elements Supportability Requirements in support of RFP Participation in source selection evaluation process Update Inputs to HSI plan Update Product Support Integrated Master Schedule (IMS) Recommend Product Support Requirements for inclusion in the CDD Use TES to develop supportability events for TEMP Update Product Support BCA Support PM in preparation for Defense Acquisition Board (DAB) Review	Life Cycle Sustainment Plan (LCSP) Product Support IMS (Included in Program IMS) Product Support Strategy Logistics/Supportability Portions of the: Performance Spec, WBS and SOW/SOO (Input to RFP) Revised Funding Requirements to Execute Product Support Strategy (Included in the updated LCCE/POM) Supportability Testing Events (Included in the TEMP) Product Support Requirements (Included in the CDD) Initial Disposal Strategy Fielding Strategy Product Support inputs to: Acquisition Strategy TEMP SEP RAM-C Report PESHE CORE (50/50) SOR/DSOR Product Support BCA LCCE/CARD Initial FMECA RFP HSI Plan Milestone Decision - MS B	Collect and collate IPS elements Supportability Requirements in support of RFP Participate in source selection process Develop Life Cycle Sustainment Plan Fielding/Deployment Plan, Disposal Plan, CORE, 50/50 Update Funding Requirements to Execute Life Cycle Sustainment Plan Incorporate supportability testing procedures in the TEMP to include pass/fail criteria Product Support Test Package for DT/OT and supportability testing Update Product Support Integrator(s) Update Inputs to HSI Plan Update Life Cycle Sustainment Plan (LCSP) Provide Product Support Requirements in the CPD Support PM in preparation for Defense Acquisition Board (DAB) Review	Life Cycle Sustainment Plan (LCSP) Draft Fielding/Deployment Plan Validated Product Support Package Supportability Requirements (included in the CPD) Revised Funding Requirements to Execute Product Support Strategy (included in the updated LCCE/POM) Logistics/Supportability Portions of the: Performance Spec, WBS and SOW/SOO (input to LRIP RFP) Product Support Requirements (included in the CPD) Product Support Integrator(s) identified Draft Disposal Plan Product Support inputs to: Acquisition Strategy TEMP SEP RAM-C Report PESHE CORE (50/50) SOR/DSOR Product Support BCA LCCE/CARD RFP HSI Plan Milestone Decision - MS C	Ensure Participation in Logistics/Program/Technical Reviews Update Fielding Plan Product Support Test Package for IOT&E and supportability testing Collect and collate IPS elements Supportability Requirements in support of RFP Participate in source selection process Conduct Supportability Demonstration Post Deployment Reviews Update Life Cycle Sustainment Plan (LCSP) Update Disposal Plan Develop Performance Based Agreements with PSI Update Inputs to HSI Plan Update Funding Requirements to Execute Product Support Strategy Update Product Support BCA Update Product Support IMS Support PM in preparation for Defense Acquisition Board (DAB) Review	Life Cycle Sustainment Plan (LCSP) DMSMS Plan (from Supply Support, Sustaining Engineering, Design Interface, Maintenance Planning and Management) Technical Data Strategy that addresses Technical Manuals, Engineering, Data, Bills of Materiel (from Technical Data, Sustaining Engineering, Design Interface, Support Equipment) Training Program (from Training and Training Devices, Facilities and Infrastructure, Maintenance Planning and Management) Depot Maintenance Capability (Maintenance Planning and Management, Facilities and Infrastructure, Product Support (Computer Resources) Supportability FRP Source Selection Revised Funding Requirements to Execute Life Cycle Sustainment Plan Validated Product Support Package Final Fielding Plan Product Support Contracts and Agreements Product Support inputs to: Acquisition Strategy TEMP SEP RAM-C Report CDD PESHE CORE (50/50) SOR/DSOR Product Support BCA LCCE/CARD RFP HSI Plan	Execute System Fielding Plan Execute Life-Cycle Sustainment Plan (LCSP) Proactive System Performance Management MTBF analysis Causal factors analysis Obsolescence Management Sustaining Engineering CBM+ RCM COA Development/Implementation System Performance Measurement (KPPs and KSA) Update inputs to HSI plan Update Product Support IMS Update Product Support BCA System Disposal - Update Plan	Warfighter Received Total System Post Fielding Evaluation System Modifications (ECP) System Improvements New System Increment Disposed Systems
Maintenance Planning and Management	Review ICD to identify maintenance requirements and support KPPs and KSAs Lead Development of Maintenance Strategy inputs to LCSP Develop Maintenance Planning and Management requirements for inclusion in RFP • Ensure design review requirements include supportability • Ensure technical reviews include an assessment of supportability Participate as a Maintenance Planning and Management SME advisor to the source selection process Develop the preliminary maintenance planning and management IMS Develop preliminary Maintenance Planning and Management Concept • Conduct a maintenance AoA for each design alternative • Analyze new and historical technological solutions • Support PSM market research/trade studies activities Develop Funding Requirements to Execute Maintenance Planning Concept Participate in initial use study Prepare Initial input to RAM-C Rationale Report • Supportability requirements (MTBF, MTTR, A ₀ , MLDT, etc.) • System support concept • Maintenance concept • Technology Development Strategy Provide Maintenance Planning inputs to the Product Support BCA	Maintenance Planning and Management Concept Maintenance Planning and Management IMS Maintenance Planning inputs to: LCSP CARD/LCCE/ICE RFP TES TDS ICD Product Support BCA RAM-C Report HSI Report	Review CDD to identify maintenance concepts Support planning for and conduct of system level analyses Tradeoff analysis Functional analysis to identify operation and maintenance functions Develop initial Maintenance Strategy Research DSOR/SOR impacts Research CORE (50/50) impacts Conduct supportability analysis to influence design Complete 1st iteration of the RCM Analysis Update RAM-C Rationale Report Update the maintenance planning and management IMS Lead development of Maintenance Planning and Management inputs for the LCSP Participate in technical and programmatic reviews Update maintenance planning and management requirements for inclusion in RFP Provide Maintenance Planning and Management inputs to Product Support BCA update Analyze System Use Study/Mission Profile/CONOPS Summary to extract: Design reference mission profile Functional profiles Logistics use profiles Design for testing (BIT) Standardization and Interoperability	Maintenance Strategy Maintenance Planning inputs to: LCSP Acquisition Strategy TEMP SEP RAM-C Report CDD PESHE CORE (50/50) SOR/DSOR Product Support BCA LCCE/CARD Initial FMECA RFP HSI Plan	Develop Maintenance Plan Update system supportability analysis Review updated use study Lead Maintenance Task Analysis review with IPSE SMEs • Preventive and corrective maintenance tasks identified using RCM and CBM+ • Review FMECA and LORA data to support maintenance planning decisions Provide Maintenance Planning and Management inputs to Product Support BCA update Update maintenance planning and management requirements for inclusion in RFP Participate as a SME advisor to the source selection process Update inputs to the LCCE Update HSI Plan Update the maintenance planning and management IMS Update maintenance planning and management information in LCSP Participate in technical and programmatic reviews	Maintenance Plan Updated system supportability analysis Maintenance Planning inputs to: LCSP Acquisition Strategy SEP TEMP CPD PESHE CORE (50/50) SOR/DSOR Product Support BCA IMS LCCE/CARD HSI Plan	Update maintenance planning and management requirements for inclusion in RFP Participate as a SME advisor to the source selection process Update Maintenance Plan Update inputs to the LCCE Funding Statement Update the maintenance planning and management IMS Update maintenance planning and management inputs to the LCSP Participate in technical and programmatic reviews Provide support to Product Support BCA	Milestone Decision Full - Rate Production (FRP) Updated Maintenance Plan Updated system supportability analysis Maintenance Planning inputs to: HSI Plan Acquisition Strategy SEP IMS TEMP CPD PESHE CORE (50/50) SOR/DSOR LCSP LCCE/CARD Product Support BCA	Execute Maintenance Plan Update inputs to the LCCE Update the maintenance planning and management IMS Update maintenance planning inputs to the LCSP Proactive System Performance Management	Updated system supportability analysis Maintenance Planning inputs to LCSP Prognostics and Health Management QDR ECP/ECR Corrosion Control
Design Interface	Ensure membership of appropriate IPTs (SE, Test, Product Support, etc) Develop the preliminary design interface IMS Participate in the Alternative Systems Review (ASR) Conduct AoA Participate in initial Use Study Identify product support user needs Explore functional requirements Review ICD to identify design interface requirements and support KPPs and KSAs Develop initial design interface inputs to LCSP Develop design interface requirements for inclusion in RFP Ensure design review requirements include supportability Ensure technical reviews include an assessment of supportability Participate as a Design Interface SME advisor to the source selection process Develop preliminary design interface concept Explore life-cycle product support capabilities Conduct a maintenance AoA for each design alternative Analyze new and historical technological solutions Support PSM market research/trade studies activities Develop Funding Requirements to Execute design interface Concept Prepare Initial input to RAM-C Rationale Report Supportability requirements (MTBF, MTTR, A ₀ , MLDT, etc.) System support concept Maintenance concept Technology Development Strategy Provide design interface inputs to the Product Support BCA Develop Initial design interface concept inputs to HSI plan	Initial functional analysis cost estimates Preliminary design interface concept Product support alternatives RAM-C Report Inputs to the LCSP Design Interface inputs to:	Review CDD to identify design interface concepts Update design interface requirements for inclusion in RFP Participate as SME advisor to the source selection process Update the design interface IMS Evaluate product support metrics Develop Design Interface inputs to LCSP Inputs to DMSMS Plan Support planning for and conduct of system level analyses • Tradeoff analysis • Functional analysis to identify operation and maintenance functions Develop initial design interface strategy Research DSOR/SOR impacts Research CORE (50/50) impacts Conduct supportability analysis to influence design Complete 1st iteration of the RCM Analysis Update RAM-C Rationale Report Participate in technical and programmatic reviews Provide design interface support to Product Support BCA update Analyze System Use Study/Mission Profile/CONOPS Summary to extract: • Design reference mission profile • Functional profiles • Logistics use profiles • Design for testing (BIT) • Standardization and Interoperability	Updated functional analysis cost estimates Design interface strategy Initial FMECA Design interface inputs to:	Participate and provide input to the generation of CPD in support of PSM Update design interface requirements for inclusion in RFP Participate as a SME advisor to the source selection process Update inputs to the LCCE Update the design interface IMS Perform an updated RCM Analysis Update Design Interface inputs to LCSP Participate in the SE led development of the Reliability Growth Plan Monitor and assess OEM submitted waivers and deviations for Participate in technical and programmatic reviews Contribute to the generation of Detailed Test Plans Parts and materiel selection RAM and Quality MOEs Design limit testing Manufacturing plan screening HMC&M/ESOH Compliance Plan Provide updates to PSM risk assessment Update inputs to SEP Update inputs to DMSMS Plan Update system supportability analysis Provide Design Interface inputs to Product Support BCA update Update HSI Plan Establish Configuration Management Plan	Update functional analysis cost estimates Updated FMECA Updated Maintenance Task Analysis Updated design interface strategy Design Interface Plan Updated system supportability analysis Design Interface inputs to: LCSP Acquisition Strategy SEP TEMP CPD PESHE CORE (50/50) SOR/DSOR Product Support BCA IMS LCCE/CARD HSI Plan Configuration Baseline	Update design interface requirements for inclusion in RFP Participate as a SME advisor to the source selection process Update inputs to the LCCE Update the design interface IMS Provide input to PSM risk assessment Update design interface chapter of LCSP Provide input to requirements documents for future increments and capabilities Participate in technical and programmatic reviews • Participate in TRRs and PCAs Contribute to the generation of Detailed Test Plans • Ensure that Maintenance concerns are assessed during OT/OA/FUE • Ensure Supportability concerns are assessed during OT/OA/FUE • Provide input to pass/fail criteria for supportability test events Provide Support to Product Support BCA Update CM Plan	Updates to RAM-C Report Identified Risks Updated Design Interface Plan Updated system supportability analysis Design Interface inputs to: LCSP Acquisition Strategy SEP TEMP CPD PESHE CORE (50/50) SOR/DSOR Product Support BCA IMS LCCE/CARD HSI Plan	Responsibility for supportability engineering (e.g., configuration management, reliability, ECP/ECR) at this stage of the program's lifecycle transitions to the Sustaining Engineering IPS Element.	
Sustaining Engineering	Responsibility for supportability (e.g., configuration management, reliability, ECP/ECR) at this stage of the program's lifecycle is Design Interface IPS Element. Participate as a SME advisor to the source selection process	Supply Support alternatives	Responsibility for supportability (e.g., configuration management, reliability, ECP/ECR) at this stage of the program's lifecycle is Design Interface IPS Element. Prepare SOW/SOO with appropriate DIDS/CDRLS for inclusion	Supply Support Strategy	Responsibility for supportability (e.g., configuration management, reliability, ECP/ECR) at this stage of the program's lifecycle is Design Interface IPS Element. Prepare SOW/SOO with appropriate DIDS/CDRLS for inclusion	Supply Support inputs to	Responsibility for supportability (e.g., configuration management, reliability, ECP/ECR) at this stage of the program's lifecycle is Design Interface IPS Element. Update Supply Support requirements for inclusion in RFP	Updated Supply Support Plan	Update inputs to the LCCE Update the Sustaining Engineering IMS Update Sustaining Engineering in LCSP Execute Sustaining Engineering plan Proactive System Performance Management Update inputs to the LCCE	Most recent update to RCM Analysis Supportability testing information (plans, metrics, results) Prognostics and Health Management QDR ECP/ECR Corrosion Control
Supply Support	Develop the preliminary Supply Support IMS Review ICD to identify supply support requirements and support KPPs and KSAs Develop initial supply support inputs to LCSP Develop supply support requirements for inclusion in RFP • Ensure design review requirements include supportability • Ensure technical reviews include an assessment of supportability Develop preliminary Supply Support concept • Analyze new and historical technological solutions • Support PSM market research/trade studies activities Develop Funding Requirements to Execute Supply Support Concept Participate in initial use study Prepare Initial input to RAM-C Rationale Report • Supportability requirements (MTBF, MTTR, A _o , MLDT, etc.) • System support concept • Maintenance concept • Technology Development Strategy Provide Supply Support inputs to the Product Support BCA Develop Initial Supply Support concept inputs to HSI plan	Risks and cost drivers for supportability Supply Support IMS Supply Support inputs to: LCSP CARD/LCCE/ICE RFP TES TDS ICD Product Support BCA RAM-C Report HSI Report	Participate as a SME advisor to the source selection process Update the supply support IMS Develop Supportability WBS Select preferred Supply Support strategy Draft DMSMS Management Plan Develop Supply Support inputs to the LCSP Participate in technical and programmatic reviews Identify and analyze Supply Support alternatives, risk and cost drivers Develop Draft Disposal Plan Review CDD to identify supply support concepts Support planning for and conduct of system level analyses Tradeoff analysis Functional analysis to identify operation and maintenance functions Conduct supportability analysis to influence design Complete 1st iteration of the RCM Analysis Update RAM-C Rationale Report Provide support to Supply Support BCA update Analyze System Use Study/Mission Profile/CONOPS Summary to extract: Design reference mission profile Functional profiles Logistics use profiles Design for testing (BIT)	Supply Support inputs to: LCSP Acquisition Strategy TEMP SEP RAM-C Report CDD PESHE CORE (50/50) SOR/DSOR Product Support BCA LCCE/CARD Initial FMECA RFP HSI Plan	of production contract Participate as a SME advisor to the source selection process Update inputs to the LCCE Update the Supply Support IMS Participate in technical and programmatic reviews Update Supply Support Plan Conduct provisioning planning conference Review Capabilities Development Document and Refine Supply Support Provide Supply Support inputs to validation of product support package Draft Fielding Plan Use LORA to determine impacts on Supply Support strategy Update system supportability analysis Review updated use study Provide Supply Support inputs to Product Support BCA update Update HSI Plan Update Supply Support requirements for inclusion in RFP Update Supply Support of LCSP	functional/allocated baselines Supply Support Plan Updated system supportability analysis Supply Support inputs to: LCSP Acquisition Strategy SEP TEMP CPD PESHE CORE (50/50) SOR/DSOR Product Support BCA IMS LCCE/CARD HSI Plan	Participate as a SME advisor to the source selection process Update inputs to the LCCE Update the Supply Support IMS Update Supply Support inputs to the LCSP Participate in technical and programmatic reviews Submit DD-61 Request for Nomenclature Update Supply Support Plan Provide support to Product Support BCA	Supply Support inputs to: LCSP Acquisition Strategy SEP TEMP CPD PESHE CORE (50/50) SOR/DSOR Product Support BCA IMS LCCE/CARD HSI Plan	Update the Supply Support IMS Update Supply Support inputs to the LCSP Execute Supply Support plan Proactive System Performance Management	Prognostics and Health Management QDR ECP/ECR Corrosion Control
Training and Training Support	Review ICD to identify Training and Training Support requirements and support KPPs and KSAs Initiate Training Systems Requirements Analysis (TSRA) Training Situation Analysis (TSA) Participate as a SME advisor to the source selection process Develop the preliminary training IMS Develop initial training inputs to LCSP Identify training requirements for inclusion in RFP • Ensure design review requirements include supportability • Ensure technical reviews include an assessment of supportability Develop preliminary training concept • Analyze new and historical technological solutions • Support PSM market research/trade studies activities/AoA Develop Funding Requirements to Execute training Concept Participate in initial use study Prepare Initial input to RAM-C Rationale Report • Supportability requirements (MTBF, MTTR, A _o , MLDT, etc.) • System support concept • Maintenance concept • Technology Development Strategy Provide Training inputs to the Product Support BCA Develop Initial training concept inputs to HSI plan	Inputs to initial system training plan Training Concept Manpower Estimate Report (MER) Training and Management IMS Training inputs to: LCSP CARD/LCCE/ICE RFP TES TDS ICD Product Support BCA RAM-C Report HSI Report Training System Alternatives Report (TSAR) Training System Functional Description (TSFD)	Standardization and Interoperability Update Training Systems Requirements Analysis (TSRA); Training Situation Analysis (TSA); Training Situation Analysis Report (TSAR); Training Device Requirements Document (TDRD); TSFD Update Training Systems Plan (TSP) Develop Curriculum for Test Training Train Individuals Update training requirements for inclusion in RFP Participate as a SME advisor to the source selection process Update the training IMS Develop training inputs to the LCSP Participate in technical and programmatic reviews Review CDD to identify training concepts Support planning for and conduct of system level analyses Tradeoff analysis Functional analysis to identify operation and maintenance functions Develop initial training strategy Research DSOR/SOR impacts Research CORE (50/50) impacts Conduct supportability analysis to influence design Complete 1st iteration of the RCM Analysis Update RAM-C Rationale Report Provide Training and Training Support inputs to Product Support BCA update Analyze System Use Study/Mission Profile/CONOPS Summary to extract: Design reference mission profile Functional profiles Logistics use profiles Design for testing (BIT)	Training strategy inputs to Capability Development Document (CDD) Training strategy inputs to Product Support BCA Updated MER Updates to training IMS Training Strategy Training inputs to: LCSP Acquisition Strategy TEMP SEP RAM-C Report PESHE CORE (50/50) SOR/DSOR LCCE/CARD Initial FMECA RFP HSI Plan	Update TSRA; TSA; TSAR; TDRD; TSFD Update Training Systems Plan Training for Test and Evaluation Validate Training Systems Procurement of Training Devices Develop Operators and Maintainers Training Update training requirements for inclusion in RFP Participate as a SME advisor to the source selection process Update inputs to the LCCE Update the training IMS Develop training plan Updates training inputs to the LCSP Participate in technical and programmatic reviews Review updated use study Provide Training and Training Support inputs to Product Support BCA update Update HSI Plan	Training plan inputs to Manpower Estimate (Review) Operational Test Agency Report of DT&E Results (to include training results) Training System Plan Updated system supportability analysis Training inputs to:	Update TSRA; TSA; TSAR; TDRD; TSFD Update Training Systems Plan Develop Operational Test Training Update Operators and Maintainers Training Initial Training for Fleet Training equipment delivered and installed Update training requirements for inclusion in RFP Participate as a SME advisor to the source selection process Update inputs to the LCCE Update the training IMS Update training plan Update training inputs to the LCSP Participate in technical and programmatic reviews Provide support to Product Support BCA	Updates to new equipment training Training System Plan Curriculum/program of instruction (POI) for schoolhouse Training inputs to: LCSP Acquisition Strategy SEP TEMP CPD PESHE CORE (50/50) SOR/DSOR Product Support BCA IMS LCCE/CARD HSI Plan	Delivery of Curriculum for schoolhouse Training Course Conduct Package Training Project Plan Course Training Task List Training Course Control Document Curriculum Outline of Instruction Lesson Plan Trainee Guide Test Package Instructional Media Package Instructional Performance Requirements Document Execute Training plan Update inputs to the LCCE Update the Training IMS Update Training inputs to the LCSP	Curriculum/POI Equipment sustainment training package Training inputs to LCSP
Manpower and Personnel	Review ICD to identify Manpower and Personnel requirements and support KPPs and KSAs Develop initial Manpower and Personnel inputs to LCSP Develop Manpower and Personnel requirements for inclusion in RFP • Ensure design review requirements include supportability • Ensure technical reviews include an assessment of supportability Participate as a Manpower and Personnel SME advisor to the source selection process Develop the preliminary Manpower and Personnel IMS Develop Preliminary Manpower and Personnel concept in support of initial support strategy • Identify Preliminary Manpower Estimate Report (MER) • Inputs to M&P Concepts of Employment • Identify M&P Risks, Cost Drivers, and Mitigation Plans Develop Funding Requirements to Execute Manpower and Personnel Concept Participate in initial use study Prepare Initial input to RAM-C Rationale Report • Supportability requirements (MTBF, MTTR, A ₀ , MLDT, etc.) • System support concept • Maintenance concept • Technology Development Strategy	Inputs to initial system training plan Preliminary Manpower Estimate Report (MER) Manpower Concept Manpower and Personnel IMS Manpower and Personnel inputs to: LCSP CARD/LCCE/ICE RFP TES TDS ICD Product Support BCA RAM-C Report HSI Report	Standardization and Interoperability Update Initial Manpower Estimate Report Update M&P Concepts of Employment Update M&P Risks, Cost Drivers, and Mitigation Plans Update M&P requirements to support maintenance concepts, technologies and RFP Participate as a SME advisor to the source selection process Participate in technical and programmatic reviews Develop M&P inputs to the LCSP Review CDD to identify M&P concepts Support planning for and conduct of system level analyses Tradeoff analysis Functional analysis to identify operation and maintenance functions Develop initial M&P Strategy Research DSOR/SOR impacts Research CORE (50/50) impacts Conduct supportability analysis to influence design Complete 1st iteration of the RCM Analysis Update RAM-C Rationale Report Update the M&P IMS Provide support to M&P BCA update	Inputs to initial system training plan Preliminary Manpower Estimate (MER) Manpower and Personnel Strategy Manpower and Personnel inputs to: LCSP Acquisition Strategy TEMP SEP RAM-C Report CDD PESHE CORE (50/50) SOR/DSOR Product Support BCA LCCE/CARD Initial FMECA RFP HSI Plan	Update Manpower and Personnel inputs for the LCSP Update Manpower Estimate Report Inputs to M&P Concepts of Employment Identify M&P Risks, Cost Drivers, and Mitigation Plans Create Manning Billets (military/civilian) Update M&P IMS Develop Manpower and Personnel Plan Update system supportability analysis Review updated use study Lead Maintenance Task Analysis review with IPSE SMEs • Preventive and corrective maintenance tasks identified using RCM and CBM+ • Review FMECA and LORA data to support maintenance planning decisions Provide Manpower and Personnel inputs to Product Support BCA update Update Manpower and Personnel requirements for inclusion in RFP Participate as a SME advisor to the source selection process Update HSI Plan Participate in technical and programmatic reviews	Component Manning Document Manpower and Personnel Plan Updated system supportability analysis Manpower and Personnel inputs to: • LCSP • Acquisition Strategy • SEP • TEMP • CPD • PESHE • CORE (50/50) • SOR/DSOR • Product Support BCA • IMS • LCCE/CARD • HSI Plan	Update Manpower and Personnel Plan Update Manpower Estimate Report Identify M&P Risks, Cost Drivers, and Mitigation Plans Create Manning Billets (military/civilian) Update M&P inputs to the LCSP Update Manpower and Personnel requirements for inclusion in RFP Participate as a SME advisor to the source selection process Update inputs to the LCCE Funding Statement Update the Manpower and Personnel IMS Participate in technical and programmatic reviews Provide support to Product Support BCA Update System Training Plan (STP)	Updated Manpower Estimate Updated System Training Plan (STP) Updated Manpower and Personnel Plan Manpower and Personnel inputs to: LCSP Acquisition Strategy SEP TEMP CPD PESHE CORE (50/50) SOR/DSOR Product Support BCA IMS LCCE/CARD HSI Plan	Update MER Analyze, track, monitor in accordance with LCSP Execute M&P (filling billet for organic or contractor support personnel) Fill CIV/MIL billets Update inputs to the LCCE Update the M&P IMS Execute Manpower and Personnel Plan	Inputs to major system modifications to address manpower and personnel impacts related to ECP, changes to CONOPs, technical insertion and/or similar changes. Manpower and Personnel inputs to LCSP
Technical Data	Provide Manpower and Personnel inputs to the Product Support BCA Develop Manpower and Personnel concept inputs to HSI plan Participate as a SME advisor to the source selection process Develop initial Technical Data Strategy and inputs to LCSP Review ICD to identify Technical Data requirements and support KPPs and KSAs Develop Technical Data requirements for inclusion in RFP • Ensure design review requirements include supportability • Ensure technical reviews include an assessment of supportability Develop the preliminary Technical Data IMS Identify Technical Data Concept • Support PSM market research/trade studies activities • Develop strategy for disposal/archiving of technical data Develop Funding Requirements to Execute Technical Data Concept Participate in initial use study Prepare Initial input to RAM-C Rationale Report • Supportability requirements (MTBF, MTTR, A ₀ , MLDT, etc.) • System support concept • Maintenance concept • Technology Development Strategy Provide Technical Data inputs to the Product Support BCA Develop Initial Technical Data inputs to HSI plan	Acquisition Information Assurance Strategy (input to AoA) Consideration of technical issues Technical Data Strategy (input to LCSP) Technical data disposal strategy (part of TDRS input to LCSP) Technical Data Concept Technical Data IMS Technical Data inputs to:	Update Technical Data requirements/Technical Data management strategy Input Technical Data requirements into RFP Define Technical Data Package design Update Technical Manual Contract Requirements (TMCR) Provide support to Product Support BCA update Provide inputs to the product support IMS Participate as a SME advisor to the source selection process Update Technical Data inputs to LCSP Participate in technical and programmatic reviews Review CDD to identify maintenance concepts Support planning for and conduct of system level analyses • Tradeoff analysis • Functional analysis to identify operation and maintenance functions Research DSOR/SOR impacts Research CORE (50/50) impacts Conduct supportability analysis to influence design Complete 1st iteration of the RCM Analysis Update RAM-C Rationale Report Analyze System Use Study/Mission Profile/CONOPS Summary to extract: • Design reference mission profile • Functional profiles • Logistics use profiles • Design for testing (BIT) • Standardization and Interoperability	Updated Technical Data Requirements for inclusion in RFP Acquisition Information Assurance Strategy (input to AoA) Inputs to the LCCE Updated Technical Data Strategy Technical Data inputs to: LCSP Acquisition Strategy TEMP SEP RAM-C Report CDD PESHE CORE (50/50) SOR/DSOR Product Support BCA CARD Initial FMECA HSI Plan	Ensure development of Technical Data for support package T&E Validate/Verify Technical Data Development Design Review, accept and/or comment on technical data deliverables (e.g., methods, descriptions, graphical representations) for production and fabrication processes for: • Special Inspection Equipment • Special packaging instructions Technical Data Strategy Updates (Data Rights/Data Access) input to RFP Participate in source selection process Participate in programmatic and technical reviews Update inputs to the LCCE to include special/unique support requirements Update the Technical Data IMS Develop Draft Fielding Plan Develop LRIP Requirements Update Technical Data inputs to the LCSP Load Publications/Manuals Develop Technical Data Plan Update system supportability analysis Provide Technical Data inputs to Product Support BCA update Update HSI Plan	Net-centric Data Strategy (included in the Technical Data Strategy) Acquisition Information Assurance Strategy (input to AoA) Technical Data Plan Technical Data inputs to: Program Protection Plan FCA Report Draft Fielding Plan CDR Report LRIP Requirements (input to RFP) LCSP Acquisition Strategy SEP TEMP CPD PESHE CORE (50/50) SOR/DSOR Product Support BCA IMS LCCE/CARD HSI Plan	Validate/Verify Technical Data publications Update Technical Data Strategy Support initial fielding of technical manuals Accept publications/IETMs/ product data Provide input and/or respond to ECPs/ECRs Participate is programmatic and technical reviews Participate in Provisioning Conference Update inputs to the LCCE Update the tech data IMS Update Technical Data inputs to the LCSP Participate as a SME advisor to the source selection process Update Technical Data Plan Provide Technical Data inputs to Product Support BCA update	Validated/Verified Technical Data Publications IETMs Product Data Engineering Change Requests/Proposals Configuration Changes Time Change Technical Orders (TCTO) Updated Technical Data Plan Technical Data inputs to: LCSP Acquisition Strategy SEP TEMP CPD PESHE CORE (50/50) SOR/DSOR Product Support BCA IMS LCCE/CARD HSI Plan	Execute Technical Data Plan Verify Updated Publications Dispose/archive of publications from all systems at end of Principle End Item (PEI) service life Update Technical Data inputs to the LCCE Update the Technical Data IMS Update Technical Data inputs to the LCSP	Engineering Change Requests/Proposals Configuration Changes Time Change Technical Orders (TCTO) Archived publications/ technical data Technical Data inputs to LCSP
Support Equipment	Review ICD to identify Support Equipment requirements and support KPPs and KSAs Identify requirements for existing/common support equipment Identify requirements for specific/unique support equipment Identify appropriate PMs for each support equipment item Traft MOA on requirements and support of the Program (agreement between PM and SE PMs) Identify support equipment requirements for inclusion in RFP Participate as a Support Equipment SME advisor to the source selection process Develop preliminary funding requirements for support equipment Develop the preliminary support equipment IMS Develop the RFP for Special SE technology development contract Provide Support Equipment inputs to LCSP Develop preliminary support equipment concept Conduct a maintenance AoA for each design alternative Analyze new and historical technological solutions Support PSM market research/trade studies activities Participate in initial use study Prepare Initial input to RAM-C Rationale Report Supportability requirements (MTBF, MTTR, A ₀ , MLDT, etc.) System support concept Maintenance concept Technology Development Strategy Provide support equipment inputs to the Product Support BCA Develop Initial support equipment concept inputs to HSI plan	Existing/common support equipment requirements Requirements for existing/common/unique support equipment Requirements for unique support equipment List of existing/common support equipment Support equipment IMS Support Equipment Concept Support Equipment inputs to: LCSP CARD/LCCE/ICE RFP TES TDS ICD Product Support BCA RAM-C Report HSI Report	Update support equipment requirements for inclusions in RFP Participate as a SME advisor to the source selection process Update the support equipment IMS Develop support equipment inputs to LCSP Participate in technical and programmatic reviews Review CDD to identify support equipment concepts Support planning for and conduct of system level analyses • Tradeoff analysis • Functional analysis to identify operation and maintenance functions Develop initial support equipment strategy Review maintenance concept and maintenance engineering analysis Research CORE (50/50) impacts Conduct supportability analysis to influence design Complete 1st iteration of the RCM Analysis Update RAM-C Rationale Report Provide Support Equipment inputs to product support BCA update Analyze System Use Study/Mission Profile/CONOPS Summary to extract: • Design reference mission profile • Functional profiles • Logistics use profiles • Design for testing (BIT) • Standardization and Interoperability	Inputs to initial system training plan Support Equipment Strategy Support Equipment inputs to: LCSP Acquisition Strategy TEMP SEP RAM-C Report CDD PESHE CORE (50/50) SOR/DSOR Product Support BCA LCCE/CARD Initial FMECA RFP HSI Plan	Update support equipment requirements for inclusion in RFP • Award Special SE EMD contract Participate as a SME advisor to the source selection process Update inputs to the LCCE Update the support equipment IMS Develop support equipment Plan Update support equipment inputs for the LCSP Participate in technical and programmatic reviews Update system supportability analysis Review updated use study Provide Support Equipment inputs to Product Support BCA update Update HSI Plan	Support equipment Plan Draft Fielding Plan Updated system supportability analysis Support Equipment inputs to:	Update support equipment requirements for inclusions in RFP Participate as a SME advisor to the source selection process Update inputs to the LCCE Update the support equipment IMS Update Support Equipment plan Update Support Equipment inputs for the LCSP Participate in technical and programmatic reviews Award Special SE production contract Conduct Special SE production contract Start of Work meeting Conduct Supportability Demonstration Evaluate OT and Supportability Demonstration report Conduct provisioning conference Approve fielding Provide support to Product Support BCA	Field General and Special SE (if applicable) Updated Support Equipment Plan Support Equipment inputs to:	Execute Support Equipment Plan Update inputs to the LCCE Update the Support Equipment IMS Update Support Equipment inputs for the LCSP Monitor Support Equipment Update Special Support Equipment documentation Proactive System Performance Management	End of PEI Life Cycle (if not, initiate PIP/SLEP) If end of Life-Cycle; initiate disposal instruction for Special SE Dispose of Special SE Updated system supportability analysis Support Equipment inputs to LCSP Prognostics and Health Management QDR ECP/ECR Corrosion Control
Computer Resources	Review ICD to identify Computer Resources requirements and support KPPs and KSAs Participate as a SME advisor to the source selection process Develop the preliminary Computer Resources IMS Develop initial Computer Resources inputs to LCSP Develop Computer Resources requirements for inclusion in RFP • Ensure design review requirements include supportability • Ensure technical reviews include an assessment of supportability Develop preliminary Computer Resources concept • Support PSM market research/trade studies activities/AoA Develop Funding Requirements to Execute Computer Resources concept Participate in initial use study Prepare Initial input to RAM-C Rationale Report • Supportability requirements (MTBF, MTTR, A ₀ , MLDT, etc.) • System support concept • Maintenance concept • Technology Development Strategy Provide Computer Resources inputs to the Product Support BCA Develop Initial Computer Resources concept inputs to HSI plan	Computer Resources IMS Computer Resources concept Computer Resources inputs to: • LCSP • CARD/LCCE/ICE • RFP • TES • TDS • ICD • BCA • RAM-C Report • HSI Report	Update computer resources requirements for inclusion in RFP Participate as a SME advisor to the source selection process Update the Computer Resources IMS Develop Computer Resources inputs to the LCSP Participate in technical and programmatic reviews Review CDD to identify Computer Resources concepts Support planning for and conduct of system level analyses • Tradeoff analysis • Functional analysis to identify operation and maintenance functions Develop initial Computer Resources strategy Research DSOR/SOR impacts Research CORE (50/50) impacts Conduct supportability analysis to influence design Complete 1st iteration of the RCM Analysis Update RAM-C Rationale Report Provide Computer Resources and Support inputs to Product Support BCA update Analyze System Use Study/Mission Profile/CONOPS Summary to extract: • Design reference mission profile • Functional profiles • Logistics use profiles • Design for testing (BIT)	Computer Resources Strategy Computer Resources inputs to: LCSP Acquisition Strategy TEMP SEP RAM-C Report CDD PESHE CORE (50/50) SOR/DSOR BCA LCCE/CARD Initial FMECA RFP HSI Plan	Update Computer Resources requirements for inclusion in RFP Participate as a SME advisor to the source selection process Update inputs to the LCCE Update the Computer Resources IMS Develop Computer Resources Plan Update Computer Resources inputs to the LCSP Participate in technical and programmatic reviews Update system supportability analysis Review updated use study Provide Computer Resources inputs to Product Support BCA update Update HSI Plan	Computer Resources Plan Updated system supportability analysis Computer Resources inputs to: LCSP Acquisition Strategy SEP TEMP CPD PESHE CORE (50/50) SOR/DSOR Product Support BCA IMS LCCE/CARD HSI Plan	Update Computer Resources requirements for inclusion in RFP Participate as a SME advisor to the source selection process Update inputs to the LCCE Update the Computer Resources IMS Update Computer Resources plan Update Computer Resources inputs to the LCSP Participate in technical and programmatic reviews Provide support to Product Support BCA	Updated Computer Resources Plan Updated system supportability analysis Computer Resources inputs to: LCSP Acquisition Strategy SEP TEMP CPD PESHE CORE (50/50) SOR/DSOR Product Support BCA IMS LCCE/CARD HSI Plan	Update inputs to the LCCE Update the Computer Resources IMS Update Computer Resources inputs to the LCSP Proactive System Performance Management Execute Computer Resources Plan	Computer Resources inputs to LCSP Prognostics and Health Management QDR ECP/ECR Corrosion Control
Packaging, Handling, Storage, and Transportation	Review ICD to identify PHS&T requirements and support KPPs and KSAs Develop initial PHS&T inputs to LCSP Identify PHS&T requirements for inclusion in RFP • Ensure design review requirements include supportability • Ensure technical reviews include an assessment of supportability Participate as a PHS&T SME advisor to the source selection process Develop the preliminary PHS&T IMS Develop preliminary PHS&T concept • Analyze new and historical technological solutions • Support PSM market research/trade studies activities/AoA Develop Funding Requirements to Execute PHS&T Concept Participate in initial use study Prepare Initial input to RAM-C Rationale Report • Supportability requirements (MTBF, MTTR, A _o , MLDT, etc.) • System support concept • Maintenance concept • Technology Development Strategy Provide PHS&T inputs to the Product Support BCA Develop Initial PHS&T concept inputs to HSI plan	PHS&T Concept PHS&T IMS PHS&T inputs to:	Standardization and Interoperability Update PHS&T requirements for inclusion in RFP Participate as a SME advisor to the source selection process Update the PHS&T IMS Develop PHS&T inputs to the LCSP Participate in technical and programmatic reviews Review CDD to identify PHS&T concepts Support planning for and conduct of system level analyses Tradeoff analysis Functional analysis to identify operation and maintenance functions Develop initial PHS&T strategy Research DSOR/SOR impacts Research CORE (50/50) impacts Conduct supportability analysis to influence design Complete 1st iteration of the RCM Analysis Update RAM-C Rationale Report Provide PHS&T inputs to Product Support BCA update Analyze System Use Study/Mission Profile/CONOPS Summary to extract: Design reference mission profile Functional profiles Logistics use profiles Design for testing (BIT)	PHS&T Strategy PHS&T inputs to: LCSP Acquisition Strategy TEMP SEP RAM-C Report CDD PESHE CORE (50/50) SOR/DSOR Product Support BCA LCCE/CARD Initial FMECA RFP HSI Plan	Update PHS&T requirements for inclusion in RFP Participate as a SME advisor to the source selection process Update inputs to the LCCE Update the PHS&T IMS Develop PHS&T plan Update PHS&T inputs to the LCSP Participate in technical and programmatic reviews Update system supportability analysis Review updated use study Provide PHS&T inputs to Product Support BCA update Update HSI Plan	PHS&T Plan Updated system supportability analysis PHS&T inputs to: LCSP SEP TEMP CPD PESHE CORE (50/50) Product Support BCA IMS LCCE/CARD HSI Plan	Update PHS&T requirements for inclusion in RFP Participate as a SME advisor to the source selection process Update inputs to the LCCE Update the PHS&T IMS Update PHS&T plan Update PHS&T inputs to the LCSP Participate in technical and programmatic reviews Provide support to Product Support BCA	Updated PHS&T Plan PHS&T inputs to: LCSP Acquisition Strategy SEP TEMP CPD PESHE CORE (50/50) SOR/DSOR Product Support BCA IMS LCCE/CARD HSI Plan	Update inputs to the LCCE Update the PHS&T IMS Update PHS&T inputs to the LCSP Execute PHS&T Plan Proactive System Performance Management	PHS&T inputs to LCSP Prognostics and Health Management QDR ECP/ECR Corrosion Control
Facilities and Infrastructure	Identify Facilities and Infrastructure requirements for inclusion in RFP Participate as a SME advisor to the source selection process Develop the preliminary Facilities and Infrastructure IMS Review ICD to identify Facilities and Infrastructure requirements and support KPPs and KSAs Develop initial Facilities and Infrastructure inputs to LCSP Develop preliminary Facilities and Infrastructure concept • Support PSM market research/trade studies activities/AoA Develop Funding Requirements to Execute Facilities and Infrastructure Concept Participate in initial use study Prepare Initial input to RAM-C Rationale Report • Supportability requirements (MTBF, MTTR, A ₀ , MLDT, etc.) • System support concept • Maintenance concept • Technology Development Strategy Provide Facilities and Infrastructure inputs to the Product Support BCA Develop Initial Facilities and Infrastructure concept inputs to HSI plan	Facilities and Infrastructure Concept Facilities and Infrastructure IMS Facilities and Infrastructure inputs to: LCSP CARD/LCCE/ICE RFP TES TDS ICD Product Support BCA RAM-C Report HSI Report	Design for testing (BTT) Standardization and Interoperability Update Facilities and Infrastructure requirements for inclusion in RFP Participate as a SME advisor to the source selection process Update initial Facilities and Infrastructure inputs to the LCCE Update the Facilities and Infrastructure IMS Develop Facilities and Infrastructure inputs to the LCSP Review CDD to identify Facilities and Infrastructure concepts Support planning for and conduct of system level analyses Tradeoff analysis Functional analysis to identify operation and maintenance functions Develop initial Facilities and Infrastructure strategy Research DSOR/SOR impacts Research CORE (50/50) impacts Preventive and corrective maintenance tasks identified using RCM and CBM+ Review FMECA and LORA data to support Facilities decisions Provide Facilities and Infrastructure inputs to Product Support BCA update Participate in technical and programmatic reviews Analyze System Use Study/Mission Profile/CONOPS Summary to extract: Design reference mission profile Functional profiles Logistics use profiles	Facilities and Infrastructure Strategy Facilities and Infrastructure inputs to: LCSP Acquisition Strategy TEMP SEP RAM-C Report CDD PESHE CORE (50/50) SOR/DSOR Product Support BCA LCCE/CARD Initial FMECA RFP HSI Plan	Update Facilities and Infrastructure requirements for inclusion in RFP Participate as a SME advisor to the source selection process Update inputs to the LCCE Update the Facilities and Infrastructure IMS Develop Facilities and Infrastructure plan Update Facilities and Infrastructure inputs to the LCSP Participate in technical and programmatic reviews Update system supportability analysis Review updated use study Provide Facilities and Infrastructure inputs to Product Support BCA update Update HSI Plan	Facilities and Infrastructure Plan Updated system supportability analysis Facilities and Infrastructure inputs to: LCSP Acquisition Strategy SEP TEMP CPD PESHE CORE (50/50) SOR/DSOR Product Support BCA IMS LCCE/CARD HSI Plan	Update Facilities and Infrastructure requirements for inclusion in RFP Participate as a SME advisor to the source selection process Update inputs to the LCCE Update the Facilities and Infrastructure IMS Update Facilities and Infrastructure plan Update Facilities and Infrastructure inputs to the LCSP Participate in technical and programmatic reviews Provide support to Product Support BCA	Updated Facilities and Infrastructure Plan Facilities and Infrastructure inputs to: LCSP Acquisition Strategy SEP TEMP CPD PESHE CORE (50/50) SOR/DSOR Product Support BCA IMS LCCE/CARD HSI Plan	Update inputs to the LCCE Update Facilities and Infrastructure inputs to the LCSP Execute Facilities and Infrastructure Plan Update the Facilities and Infrastructure IMS Proactive System Performance Management	Facilities and Infrastructure inputs to LCSP Prognostics and Health Management QDR ECP/ECR