DoD Integrated Product Support Roadmap

Material Solution Analysis

◆ MDD

Activities

ICD
POM Input
TES
ICD
AoA
RFP

Milestone Decision
POM Input
Spectrum Certification
CARD
ADM

DAB Review
SEP
CONOPS
CARD
TDS (Input to the RFP)
Exit Criteria

CCA Compliance
Acquisition Plan
ACAT Designation
Component Cost Estimate (CCE)

Outputs

Ensure Logistics Data Collection/Analysis research are incorporated in AoA and forecast product support for each alternative
Identify Support and Maintenance Concepts and Technology
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
Initiate Product Support BCA
Develop initial supportability WBS/IMS
Assess replaced system Product Support Package for applicability to new capability
Develop Funding Requirements to Execute Product Support Strategy
Identify/Choose Product Support Team
Incorporate initial support best strategy into TES
ICTSE
Develop initial Product Support inputs to HSI plan
Identify product support requirements for inclusion in the RFP
Participate in science selection and evaluation
Support PA in preparation for Defense Acquisition Board (DAB) Review

Technology Development

◆ MS A

Draft CDD
RFP
Milestone Documentation
Acquisition Plan
CORE
Acquisition Strategy (input to the RFP)
LCC
TEMP
CCA Compliance

LCSP
ARS
ADM
RFP
Post-CDR/PDR Report
CCE
Acquisition Systems Baseline
AoA
DAB Review

DT&E Report
CARD
EVMS
LA
Independent TRA/ TRA
Independent Review Team (IRT)
Acquisition Strategy
Service Cost Position (SCP)
ACAT Designation
CCRI
PESHE/NEPA

Spectrum Supportability Determination
Spectrum Certification
Acquisition Strategy
Component Cost Estimate (CCE)

Outputs

Update Life Cycle Sustainment Plan (LCSP) from Initial Support Plan
Update Supportable Risk Assessment and Develop Mitigation Strategy
Influence Design for Supportability through participation in technical/program reviews
Develop Product Support Strategy
Develop Initial Disposal Strategy
Develop Funding Strategy
Include CORE, SOHS, 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 PA in preparation for Defense Acquisition Board (DAB) Review

Life Cycle Sustainment Plan (LCSP)
Product Support IMS
Supportability Risk Assessment
Revised Funding Requirements to Execute Product Support Strategy
Supportability Testing Events (CORE, SOHS, DSOR/SOR)
Product Support Requirements (Included in the CDD)
Product Support Strategy
Funding Strategy
Product Support inputs to:
- Acquisition Strategy
- TEMP
- SEP
- RAM-C Report
- PESHE
- CORE (SOSS)
- SORDSOR
- Product Support BCA
- LCCE/CARD
- Initial FMECA
- RFP
- HSI Plan

Milestone Decision - MS B

LCC Estimate
CPD
Acquisition Strategy
BCA
ISP
Milestone Documentation
RFP
PESHE/NEPA
Exit Criteria
TEMP

EVMS
CARD
LCSP
LA
DT&E Report
Independent TRA/ TRA
Independent Review Team (IRT)
Acquisition Strategy
CCA Designation
Certification Compliance

Engineering and Manufacturing Development

◆ MS B

BCA
ADM
Acquisition Plan
CCA Compliance
CCE
CORE
CONOPS
AoA
Post-Source Selection

Initial Product Baseline
Spectrum Supportability Determination
Spectrum Certification
Program Protection Plan (PPP)
Independent TRA/ TRA
Acquisition Strategy
Position (SCP)

LCC Estimate
CPD
Acquisition Strategy
BCA
ISP
Milestone Documentation
RFP
PESHE/NEPA
Exit Criteria
TEMP

EVMS
CARD
LCSP
LA
DT&E Report
Independent TRA/ TRA
Independent Review Team (IRT)
Acquisition Strategy
CCA Designation
Certification Compliance

Outputs

Update Life Cycle Sustainment Plan (LCSP)
Update Product Support Plan
Update Supportable Risk Assessment
Participate in source selection process
Develop Product Support Plan
Fielding/Deployment Plan, Disposal Plan, CORE, SOHS
Update Funding Requirements to Execute Product Support Plan
Incorporate supportability testing procedures in the TEMP to include parallel criteria
Product Support Test Package for DT/OT and supportability testing
Update Product Support BCA
Identify 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)
Product Support IMS
Supportability Risk Assessment
Revised Funding Requirements to Execute Product Support Strategy
Supportability Testing Events (CORE, SOHS, DSOR/SOR)
Product Support Requirements (Included in the CDD)
Product Support Strategy
Fielding Strategy
Product Support inputs to:
- Acquisition Strategy
- TEMP
- SEP
- RAM-C Report
- PESHE
- CORE (SOSS)
- SORDSOR
- Product Support BCA
- LCCE/CARD
- Initial FMECA
- RFP
- HSI Plan

Milestone Decision - MS B

Logistics/Supportability Portions of the Performance Work Statement (PWS) Produced for the contractor
LCCE/PCBN
Logistics/Supportability Portions of the Performance Work Statement (PWS) Produced for the contractor
Product Support Requirements (included in the CARD)
Product Support Integrator(s) identified
Draft Disposal Plan
Product Support inputs to:
- Acquisition Strategy
- TEMP
- SEP
- RAM-C Report
- PESHE
- CORE (SOSS)
- SORDSOR
- Product Support BCA
- LCCE/CARD
- RFP
- HSI Plan

Milestone Decision - MS C

Production and Deployment

◆ MS C

LRIP Contract
RFP for Production Contract
DAB Review

Outputs

Ensure Participation in Logistics/Program/Technical Reviews
Update Fielding Plan
Update Product Support 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)
CARD/ Post Deployment Plan (PDP)
Supply Support Requirements (Initial Provisioning, Catalog, Maintenance Planning and Management)
Technical Data Strategy that addresses Technical Data Rights, Configuration Data, Bills of Material (from Technical Data, Maintenance Planning, Design Interface, Support Equipment)
Training Program (from Training Strategy, Training Devices, Facilities and Infrastructure, Maintenance Planning and Management)
Product Support inputs to:
- Acquisition Strategy
- Maintenance Planning and Management, Supply Support, Technical Data, Product Support Management
- PSI Software Support (Computer Resources)
- Supportability FRP Source Selection
- Revised Funding Requirements to Execute Product Support Plan
- Updated Product Support Package
- Fielded Fielding Plan
- Product Support Contracts and Agreements

Product Support inputs to:
- Acquisition Strategy
- TEMP
- SEP
- RAM-C Report
- CDD
- PESHE
- CORE (SOSS)
- SORDSOR
- Product Support BCA
- LCCE/CARD
- RFP
- HSI Plan

Milestone Decision Full - Rate Production (FRP)

Operations and Support

Activities

Execute System Fielding Plan
Execute Life Cycle Sustainment Plan (LCSP)
Proactive System Performance Management
Sustaining Engineering
Cause 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 Support
Product Support Strategy
System Modifications (ECP)
Support Improvements
New System Increment
Disposed Systems

Outputs

Final Production Baseline
CPD
APB
Acquisition Strategy
Major Modifications/ System Improvements
CCE

System Fielding (IVHIS)
TEMP
New DOTMLPF Change Recommendation (DOR)
CCDR
FRP Contract
Beyond LRIP Report

PPP
CARD
Acquisition Plan
AoA
Exit Criteria
LCSP
ADM
Component LFTBE Report

LA
EVMS
CCA Compliance
DT&E Report
IOT&E Completed
SCP
ICD

Activities

Life Cycle Sustainment Plan (LCSP)
CARD/ Post Deployment Plan (PDP)
Supply Support, Supplying Maintenance, Technical Data, Maintenance Planning and Management
Technical Data Strategy that addresses Technical Data Rights, Configuration Data, Bills of Material (from Technical Data, Maintenance Planning, Design Interface, Support Equipment)
Training Program (from Training Strategy, Training Devices, Facilities and Infrastructure, Maintenance Planning and Management)
Product Support inputs to:
- Acquisition Strategy
- Maintenance Planning and Management, Supply Support, Technical Data, Product Support Management
- PSI Software Support (Computer Resources)
- Supportability FRP Source Selection
- Revised Funding Requirements to Execute Product Support Plan
- Updated Product Support Package
- Validated Fielded Fielding Plan
- Product Support Contracts and Agreements

Product Support inputs to:
- Acquisition Strategy
- TEMP
- SEP
- RAM-C Report
- CDD
- PESHE
- CORE (SOSS)
- SORDSOR
- Product Support BCA
- LCCE/CARD
- RFP
- HSI Plan

Milestone Decision Full - Rate Production (FRP)

Outputs

Execute Fielding Plan
Update Life Cycle Sustainment Plan (LCSP)
Proactive System Performance Management
Sustaining Engineering
Cause 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 Support
Product Support Strategy
System Modifications (ECP)
Support Improvements
New System Increment
Disposed Systems

Product Support Management

Maintenance Planning and Management

Design Interface

Sustaining Engineering

Responsibility for supportability (e.g., configuration management, reliability, ECP/CDR) at this stage of the program's lifecycle is Design Interface IPS Element.

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Responsibility for supportability engineering (e.g., configuration management, reliability, ECP/CDR) at Execute MSF (filling ticket for organic or contractor support personnel)
FY-0 CARD, tickets
Update inputs to the LCCE
Update the MSF IMS
Execute Manpower and Personal Plan

Most recent update to RCM Analysis
Supportability testing (Reliability growth, plans, metrics, results)
Prognostics and Health Management
QDR
ECP/ECR
Corrosion Control

Supply Support

Training and Training Support

Manpower and Personnel

Technical Data

Support Equipment

Computer Resources

Packaging, Handling, Storage, and Transportation

Facilities and Infrastructure

Last Reviewed: 4 October 2012