Air Force Life Cycle Management Center

Standard Process

For

Life Cycle Sustainment Plans (LCSP)

Process Owner: AFLCMC/LG-LZ

Date: 15 October 2020

Version: 7.0

Record of Changes.

Record of Changes		
Version	Effective Date	Summary
1.0	1 Apr 2016	Basic document; Approved by Standard Process (S&P) Board on 24 Mar 16
2.0	1 Jul 2016	Updated to reflect AFMC/CC delegation of Sustainment Command Representative requirement for ACAT II and below programs to center commanders
3.0	30 Jul 2017	Updated to reflect OSD Sample Outline Version 2.0 and other AFLCMC level process improvements
4.0	1 Oct 2017	Administrative update to reflect updated AFI 63-101/20-101, dtd 9 May 2017, reference changes.
5.0	1 Nov 2018	Clarification on PEO/MDA approval; updated LCSP Annex requirements and additional clarification added to AFLCMC Sample Outline
6.0	30 Sep 2019	Updated to reflect streamlined LCSP Development and Coordination process to include Product Support Enterprise Review (PSER) and delegation of Sustainment Command Representative (SCR) signature to AFLCMC/LG-LZ.
7.0	15 Oct 2020	Updated to reflect streamlined LCSP Coordination process for classified programs and policy updates.

Development and Coordination of the Life Cycle Sustainment Plan (LCSP)

1.0 Description.
The LCSP documents the Program Manager (PM) and Product Support Manager's (PSM) plan for formulating, implementing and executing the sustainment strategy, and is part of the overall Acquisition Strategy of a program. It details the system's sustainment Key Performance Parameters (KPPs)/Key System Attributes (KSAs). The LCSP describes the approach and resources necessary to develop and integrate sustainment requirements into the system's design, development, testing, deployment and sustainment phases while controlling overall program Total Ownership Costs (TOC). It should include sufficient detail for a program to execute against, to include a product support integrated master schedule.

    1.1 The LCSP shall be integrated across the system life cycle including strategy development, planning, production, fielding, modification (which may include technology advancement), support, and disposal. The LCSP streamlines, consolidates, and makes visible to leadership all product support aspects of the program and should describe all stakeholders' roles and responsibilities (to include any organization with delegated sustainment responsibilities such as: other services, product groups and/or support providers).

    1.2 The LCSP evolves into an execution plan to describe the manner in which life cycle sustainment requirements are acquired, applied, managed, assessed, measured, and reported after system fielding. By Milestone (MS) C, the LCSP should detail how the program will meet readiness targets, sustain system performance capability threshold criteria, comply with Title 10 United States Code (USC),§ 2337, *Life Cycle Management and Product Support*, 10 USC, § 2464, *Core Logistics Capabilities*, and 10 USC,§ 2466, *Limitations on the Performance of Depot-level Maintenance of Materiel*, mitigate operations and support (O&S) costs, reduce the logistics footprint and comply with environmental and other logistics related regulations. When the program enters the O&S Phase, the LCSP is the execution plan for sustaining the system to include disposal. The LCSP should be used to support and align efforts to the program's planning, programming, budgeting, and execution activities.

    1.3 This process applies to all acquisition programs as defined in Air Force Instruction (AFI) 63-101/20-101, *Integrated Life Cycle Management*, para 1.2.

2.0 Purpose.

    2.1 The purpose of this standard process is to provide assistance and guidance to the Program Office to aid in the standardization of the development and coordination of program LCSPs across the center. (Note: The LCSP and this standard process are intended to be used in conjunction with Acquisition Planning as defined in *Contents of Acquisition Plans*, FAR Part 7.105.)

    2.2 Per Department of Defense Instruction (DoDI) 5000.02, *Operation of the Defense Acquisition System, and AFI 63-101/20-101, Integrated Lifecycle Management*, a LCSP is required for all Acquisition Category (ACAT) programs and requires approval at MS A, B, and C, and Full Rate Production (FRP). Additionally, the LCSP

is updated to reflect changes in the product support strategy/operating environments, at major MS reviews, and every five years after Intital Operating Capability (IOC). Air Force Materiel Command (AFMC) may also designate other efforts requiring the development of a LCSP.

2.3 Major System Modifications/Upgrades. Major system modifications/upgrades may be added as a stand-alone annex to the weapon system/program LCSP or incorporated into the existing weapon system/program LCSP. The annex or updated LCSP will address all LCSP mandatory requirements for that specific modification/upgrade as well as any unique info specific to the modification/upgrade program being documented [(i.e., metrics/requirements, contracts, funding/cost information, schedule, program risks and all product support element (PSE) questions identified in Section 9.4 of the AFLCMC LCSP Sample Outline (Attachment 3)]. Changes to the LCSP due to major system modification/upgrade require LCSP reevaluation, coordination and approval. (Note: Major Systems Modifications/Upgrades as defined in AFI 63-101/20-101). The Milestone Decision Authority (MDA) can further clarify expectations for LCSP updates in an Acquisition Decision Memorandum or other documentation. Additional information on Modification LCSPs can be found in Attachment 2 of this Standard Process.

2.4 Life Cycle Management Plan (LCMP). As stated in AFI 63-101/20-101, para 7.7.1.1., AF programs delegated to the Service Acquisition Executive and below possessing a MDA approved LCMP prior to 2013 are not required to have a stand-alone LCSP, if the MDA approves continued use of the LCMP for the life of the program. However, the LCMP must meet the requirement and coordination requirements of an existing LCSP as well as Sustainment Command Representative (SCR) coordination/signature. Additional information can be found in Attachment 5: LCSP and LCMP Correlation Matrix.

2.5 Rapid Acquisition Programs (Middle Tier programs as defined in FY16 National Defense Authorization Act (NDAA) Section 804). It is recommended that all rapid acquisition programs complete at a minimum Steps 1.1-1.4 of this Standard Process prior to releasing the program's first Request for Proposal to ensure that product support/supportability are being considered to the maximum extent practical within the program's constraints and objectives. If possible, rapid acquisition programs (especially those pursuing a rapid fielding strategy) are encouraged to complete the entire process to include the LCSP PSER and request AFLCMC/LG-LZ SCR Additionally, when preparing a rapid acquisition LCSP, it is important for programs to identify how/where the LCSP content has been tailored and why. (Note: Justification for tailoring should include more than simply stating the program is an 804. Justification should provide insight into how/why requirement was deemed unnecessary/not feasible due to a specific programmatic reason (shortened timelines, not cost-effective, etc.).

2.6 Classified Programs. Program offices that have a classified LCSP will follow a tailored coordination process. It is recommend for programs planning to follow this process, to reach out to the AFLCMC LCSP SME to discuss development of their product support strategy. After consultation, the program offices will develop their LCSPs per the standard AFLCMC Standard Process and AFLCMC LCSP Sample

Outline and may engage with the AFLMC LCSP SME and/or any other AFLCMC/LZS product support element SMEs as deemed necessary by the program office. Once the LCSP is drafted, the program office will run the AFLCMC LCSP Reviewer's Checklist as part of ensuring a robust, fully-fleshed out product support strategy and provide to their owning OSF for validation. If the LCSP is validated by the OSF, then the LCSP will be sent to AFLCMC/LG-LZ for SCR signature. If the LCSP is not validated by the OSF, it will be sent back to the program office for rework. Please see Attachment 15 for a graphic of the process.

2.7 LCSP Tailoring. As stated in AFI 63-101/20-101 para 2.4.2., the MDA has the authority to tailor within the scope of applicable statute and regulation. Therefore the MDA has the authority to tailor the content and requirements for the LCSP; however, tailoring shall be documented with supporting rationale and citation to applicable statute or regulation. LCSP tailoring strategies may include, but are not limited to the following: an overarching change to the LCSP content based on unique program characteristics, a modification or omission of information within the LCSP based on applicability to the program, a modification or omission of required tables and figures and/or change to required coordination. The PM shall identify the tailoring strategy in the AS and/or Acquisition Decision Memorandum for the MDA's approval to include clear explanation of and justification for tailoring applied. [Note: See Attachment 3 for additional guidance on documentation of MDA/Program Executive Officer (PEO) approved tailoring of program LCSP.]

3.0 Potential Entry/Exit Criteria and Inputs/Output.

Entry Criteria. Per AFI 63-101/20-101 para. 7.7.1, every ACAT program shall develop a LCSP. The Assistant Secretary of Defense for Logistics and Materiel Readiness (ASD (L&MR) shall approve LCSPs for all ACAT ID and USD (AT&L) -designated special interest programs for MS A or equivalent, each subsequent milestone, and FRP decision. Following the system's initial operating capability, the Component Acquisition Executive (CAE) or designee shall approve LCSP updates, in coordination with ASD (L&MR). Approval for ACAT IC and below LCSPs is delegated to the CAE or Component designee. The MDA/PEO is the approval authority for all other LCSPs. Note: For the purpose of the AFLCMC LCSP Standard Process and Work Breakdown Structure (WBS) the term "MDA/PEO" will be used for Steps 1.1 through 1.10 (Figure 1). For ACAT I programs or programs where the MDA is the PEO, programs should coordinate at the PEO level where indicated. For programs where the MDA has been delegated below the PEO, the designated MDA should complete the requirements for the identified Step.

3.1 Exit Criteria. The LCSP process will be completed upon approval by the appropriate authority as outlined in AFI 63-101/20-101, Table 4.1 and para. 7.7.4.

3.2 Inputs (as applicable).

3.2.1 Initial Capabilities Document (ICD)/Capability Development Document (CDD)/Capability Production Document (CPD)/AF Form 1067 [(Lead Command/Using Command(s)]

3.2.2 Acquisition Strategy (PM)

3.2.3   Systems Engineering Plan (SEP) [(Engineer (EN)]

3.2.4   Test and Evaluation Master Plan (TEMP) (Test)

3.2.5   Product Support Business Case Analysis (PS-BCA), Core Assessment/Depot Source of Repair (DSOR)/Maintenance Concept, and Weapon Systems Supportability Analysis (WSSA)

3.2.6   Cost Analysis Requirements Description (CARD), Life Cycle Cost Estimate (LCCE), Total Ownership Cost (TOC), etc. [Financial Manager (FM)]

3.2.7   Reliability, Availability, Maintainability – Cost (RAM-C Report), Failure Mode Effects, Criticality Analysis (FMECA) reports and Failure Reporting, Analysis and Corrective Action System (FRACAS) (EN)

3.2.8   Other Program Office Documentation

3.2.9   Subject Matter Expert (SME) Input

3.3 Outputs.

3.3.1   LCSP formatted and compliant with OSD and AFLCMC LCSP Sample Outline (Attachment 3) to include all mandatory annexes as identified in section 4.7 of this standard process

3.3.2   LCSP coordinated and approved IAW regulation and policy

4.0   Process Workflow and Activities.

4.1 Suppliers, Inputs, Process, Outputs, Customers (SIPOC).

Suppliers	**I**nputs	**P**rocess	**O**utputs	**C**ustomers
• PM • PSM • Program Office Functionals • Product Support Provider(s) • Product Support Integrator(s) • Product Group Managers • Lead Command/ Using Command(s) • Original Equipment Manufacturer(s) • Other Stakeholders	• ICD/CDD/CPD/AF Form 1067 • Acquisition Strategy • SEP • TEMP • PS-BCA • CARD, LCCE, TOC, etc. • RAM-C, FMECA, and FRACAS Report • Core Assessment/DSOR/ Maintenance Concept • Other Program Office Documentation • SME Input • Product Support Supportability Analysis	Develop and coordinate a LCSP that ensures the system's product support strategy achieves and maintains the sustainment KPPs/KSAs while controlling overall program TOC	• LCSP formatted and compliant with OSD and AFLCMC standard template • LCSP coordinated and approved IAW regulation and policy	• MDA • PEO • PM • AFLCMC • AFMC • Lead Command/Using Command(s) • Other Stakeholders

Table 1. SIPOC

4.2 The LCSP Development and Coordination process for AFLCMC is a high-level step-by-step process for key events. Figure 1 shows the individual process steps for program offices to follow to develop and coordinate the LCSP.

AFLCMC Standard Process for Life Cycle Sustainment Plans
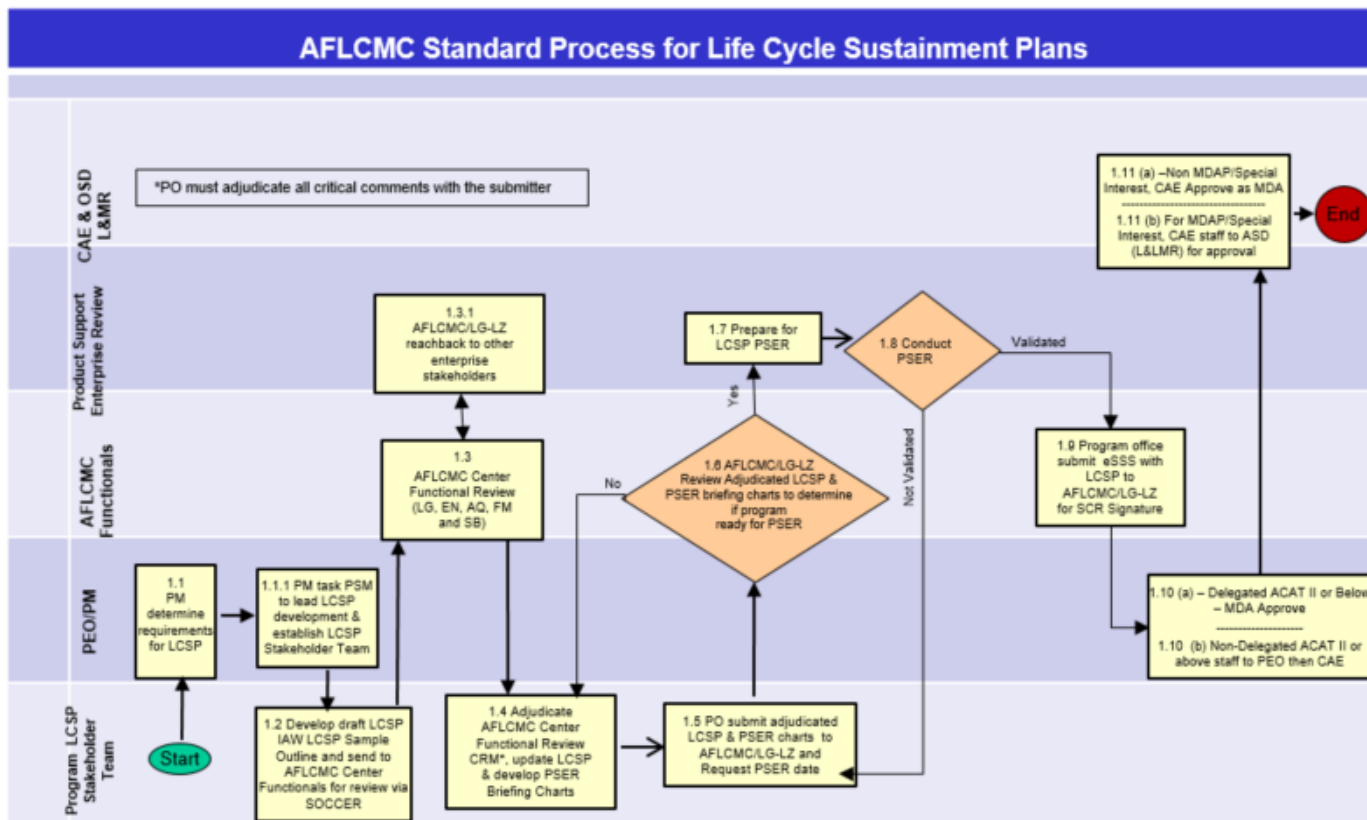
-- PM –Program Manager, CRM – Comment Resolution Matrix, eSSS – Electronic Staff Summary Sheet, SCR – Sustainment Command Representative, SB—Small Business,

Figure 1. Process Flowchart

4.3   As the LCSP moves through the steps outlined in Figure 1 above and further spelled out in Table 2 below, there are a few things the program office should keep in mind to aid in streamlining the LCSP coordination process.

    4.3.1   Use of SOCCER and Organizational Workflows. To ensure the coordination process flows correctly and that reviewing organizations are held accountable for stated review timelines, program offices should request AFLCMC Center Functional Draft Review via SOCCER (Step 1.3) with a 14 working-day turnaround time IAW this Standard Process. To request SCR Formal Coordination (Step 1.9) program offices should submit the request via SOCCER to AFLCMC/LG-LZ with a five working-day turnaround time IAW this Standard Process.

    4.3.2   Use and progression of the Comment Resolution Matrix (CRM). A CRM is required to accompany the LCSP throughout the coordination process. At each step in the process, the same CRM should be utilized and built upon into a single consolidated CRM that should flow with the LCSP to the next step in the coordination process. Ensure the CRM is fully adjudicated and results provided to stakeholders (Figure 1, Process Flow Step 1.4). An example of a Comment Resolution Matrix is in Attachment 9.

4.3.3   Non-Concur Process. In the event of a non-concur at Step 1.4, the program office may either resubmit via SOCCER the LCSP once appropriate updates have been incorporated to the non-concurring organization to try to clear the non-concur or the program office has the option to proceed to the next step in the process. If the program office chooses to proceed, the non-concur must be appropriately documented in the eSSS "Views of Others" through the remainder of the LCSP coordination process.

4.4 LCSP Development.

4.4.1   The LCSP is a living document that should be updated to reflect the increased maturity of the product support strategy. DoDI 5000.02, Enclosure 6, Life Cycle Sustainment, contains extensive information on the requirements for the LCSP and provides additional information on the document's focus as it matures through the program life cycle.

1	1.0	Life Cycle Sustainment Plan (LCSP) Development and Coordination Process				
2	1.1	PM determine requirement for LCSP	PM review DoD, AF, and AFLCMC Policy and Guidance to determine need to initiate or update program LCSP	PM	1	PM
3	1.1.1	PM task PSM (or logistics lead) to lead LCSP development and PSM establish LCSP Stakeholder Team	PSM establish LCSP Stakeholder Team to include appropriate representation from Program Office functionals SMEs (LG, PK, FM, EN, test, Engine Type, Model, Series (TMS) Manager sustainment, etc.) and outside program office stakeholders. LCSP Stakeholder team will include representatives from every organization involved in the development and/or execution of the program's product support strategy. (Note: To request AFSC POC, program office should contract AFSC/LGX. If appropriate, request POC from AFNWC/LG.)	PSM	5	1) PO SMEs 2) AFSC SMEs 3) Additional SMEs as appropriate to include AFNWC/LG
2	1.2	LCSP Stakeholder Team develop draft LCSP IAW AFLCMC Sample Outline and send to AFLCMC Center Functionals for review via SOCCER	LCSP Stakeholder team develop LCSP IAW AFLCMC Sample Outline, along with mandatory annexes as identified in this Standard Process (para. 4.7). Once LCSP developed, program office submit LCSP via SOCCER to identified center functionals (LG, AQ, EN, FM and SB). (Note: SOCCER must reflect 14 working day suspense for center functional review or it will be returned to correction.)	LCSP Stakeholder Team	90-180 days (Notional - dependent of program office)	LCSP Stakeholder Team
2	1.3	AFLCMC Center Functional Review (including LG, AQ, EN, FM and SB)	AFLCMC Center Functionals accomplish review and document findings in CRM. (Note: AFLCMC/LZS review will be completed utilizing the AFLCMC LCSP Reviewer's Checklist).	Center Functionals	14 (Includes Step 1.3.1)	LCSP Stakeholder Team
3	1.3.1	AFLCMC/LG-LZ Reach back to other Enterprise Stakeholders as required	As needed, AFLCMC/LG-LZ will reach back to other enterprise stakeholders to include HQ AFMC, SAF/AQD and/or AFSC/LG to request support in resolving potential enterprise concerns.	AFLCMC/LG-LZ		AFLCMC/LG-LZ
2	1.4	LCSP Stakeholder Team adjudicates Center Functional Review CRM, updates LCSP accordingly and develops Product Support Enterprise Review (PSER) Forum Briefing Charts	LCSP Stakeholder team will work to adjudicate all comments received during the Center Functional Review at Step 1.3. For any critical comments received during the Center Functional Review, must attempt to fully adjudicated with the submitting organization prior to proceeding to Step 1.5. However if PO is unable to adjudicate critical comment(s), all open critical comments must be noted in Adjudicated CRM submitted to AFLCMC/LG-LZ at Step 1.5 and must be specifically addressed in LCSP Enterprise Forum Briefing Charts.	LCSP Stakeholder Team	30 (Notional - dependent of program office)	Center Functionals
2	1.5	Program Office (PO) submits consolidated and adjudicated CRM from Step 4, updated LCSP & LCSP Enterprise Forum Briefing Charts to AFLMCMC/LG-LZ and request LCSP Enterprise Forum Review	PSM/LCSP Stakeholder Team will complete internal division level staffing for approval/signature [Note: Ensure minimum program office level review (Program Manager (PM), contracting officer (PK), lead engineer (EN), and financial manager (FM) complete before proceeding to step 1.6]	PSM	1	PSM
2 (Decision Point)	1.6	AFLCMC/LG-LZ review adjudicated CRM, updated LCSP & program's PSER Briefing Charts	AFLCMC/LG-LZ will validate all critical comments have been addressed with all Center Functionals. If validated and ready to proceed, AFLCMC/LG-LZ will schedule program LCSP PSER and notify program office and LCSP PSER Standing members. If program documented not validated as ready to proceed, AFLCMC/LG-LZ will return documentation to program office with specific actions to resolve and request resubmit at Step 1.5 when ready.	AFLCMC/LG-LZ	10	PSM
2	1.7	Prepare for LCSP PSER	AFLCMC/LG-LZ will notify all Standing and Invited LCSP PSER Members IAW AFLCMC LCSP PSER Charter procedures.	AFLCMC/LG-LZ	7	AFLCMC/LG-LZ
3 (Decision Point)	1.8	Conduct LCSP PSER	AFLCMC LCSP PSER review/validate program's product support strategy and ensure all enterprise considerations addressed and program's product support strategy well thought out and robust. AFLCMC/LG-LZ will document and coordinate forum meeting minutes IAW AFLCMC LCSP PSER Charter procedures. If strategy is not validated at Step 1.8, program will return to Step 1.5 with action to resolve any open comments/issues identified during the Forum as documented in LCSP PSER Meeting Minutes.	AFLCMC/LG-LZ	10	AFLCMC/LG-LZ
2	1.9	PO submit eSSS LCSP to AFLCMC/LG-LZ for Sustainment Command Representative Signature.	PO submits LCSP to AFLCMC/LG-LZ Workflow and request AFLCMC/LG-LZ process for SCR signature. AFLCMC/LZS will prepare full SCR Signature Package to include: Validated LCSP, Adjudicated CRM with completed LCSP Reviewer's Checklist, and program's LCSP Enterprise Forum Briefing charts.	AFLCMC/LG-LZ	5	AFLCMC/LG-LZ
2	1.10 (a)	Delegated ACAT II or below, MDA Approve	PO follow internal Directorate level coordination process to request final MDA approval.	PSM	15	PM
2	1.10 (b)	Non-Delegated ACAT II or above, staff to CAE	PO complete any remaining internal Directorate level coordination required and notify appropriate Program Element Monitor (PEM) of LCSP status; PSM send LCSP & CRM to SAF/AQD for AF level coordination review IAW Acquisition Process Model Coordination Matrix.	PEM/PM	5	PEM & PM
2	1.11 (a)	Non MDAP/Special Interest, CAE Approve	PO work with PEM to staff LCSP for CAE approval.	PEM/PM	30	PEM & PM
2	1.11 (b)	For MDAP/Special Interest, CAE staff to USD (AT&L) for	PO works with their PEM to staff LCSP through CAE and to USD (AT&L) for final review and approval.	PEM/PM	30	PEM & PM

Table 2. Work Breakdown Structure (Note: See Attachment 1 for detailed WBS)

4.5 The AFLCMC LCSP Sample Outline (Attachment 3) shall be used as the starting outline for all AFLCMC programs. The AFLCMC LCSP Sample Outline is based on the USD (AT&L) Memorandum, "Life-Cycle Sustainment Plan Outline Version 2.0," dated 19 January 17 (Attachment 4) which supersedes the "Document Streamlining-Life-Cycle Sustainment Plan," dated 14 September 11.

4.6 LCSP Outline Deviations. Nearly all elements of the AFLCMC LCSP Sample Outline and USD (AT&L) LCSP Sample Outline are mandatory. Programs must address all content requirements as stated under each of the sample outline headings; however, the individual pictures, tables and figures should be tailored to fit the program's needs. If sample outline headings or a subset of the content requirement is not applicable to a program, the section should still be addressed with an explanation as to why that portion of the LCSP is N/A for the particular program. Additionally, it is recommended that an overall explanation of any sample outline headings or subset of content that has been modified or deleted, be included in Section 1 and Introduction, to substantiate the omission and/or change.

4.7 LCSP Annex(s). The following annexes (other than Diminishing Manufacturing Sources and Material Shortages (DMSMS), which is recommended) are required for inclusion as identified in DoDI 5000.02, Enclosure 6 (T) (para 3.d), AFI 63-10/20-101 and/or this AFLCMC Standard Process. (See Table 3 after annexes). If any listed mandatory annexes are not applicable for a given program, an approved waiver or a statement shall be included in lieu of the Annex with supporting rationale as to why the Annex is N/A.

Table 3. LCSP Annex Requirements

Annex	ACAT I	ACAT II	ACAT III	MS A	Dev RFP Rel	MS B	MS C	FRP	5-Year Review
				Life Cycle Event					
PS-BCA	•	•	*				•	•	***
ILA	**					•	•	•	•
IUID	•	•	•	•	+	+	+	+	+
PPP	•	•	•	•	+	+	+	+	•
RSSP	•			•		•			
Demilitarization Plan	•	•	•				•	+	+
Preservation and Storage of Unique Tooling Plan	•						•	+	+
Core Logistics Assessment	•	•	•	•	•	+	•		+
DSOR	•	•	•			•	•	•	•
IP Strategy	•	•	•			•	•	•	•
TOLCMP/TOLCVP	•	•	•	++		•	•	•	•
Partnership Agreements	•	•	•	•		•	•	•	•
ELMP	•	•	•	•		•	•	•	•
DMSMS Plan		++	++			++	++	++	++

• Mandatory
++ Recommended
* As required by MDA
** MDAP Only
+ Updated as required
*** Revalidation and legacy programs shall follow requirements as identified in AFI 63-101/20-101 para. 7.6.5.

4.7.1   Product Support Business Case Analysis (PS-BCA). Due to the size of a PS-BCA Final Report and Implementation Plan, an executive summary, to include the PS-BCA recommendation, program's progress toward implementing the recommendation, and program office Point of Contact (POC) or link to the document must be included as an annex to the LCSP. For legacy programs and PS-BCA revalidations, annex should be based on requirements as dictated in AFI 63-101/20-101, para. 7.6.5. The MDA may determine a PS-BCA is not required for ACAT III programs. If the MDA determines that a PS-BCA is not required, the program office should document rationale in the LCSP, Section 1 "Introduction". For additional information on PS-BCAs, see AFI 63-101/20-101, para. 7.6. For more information on how to complete and coordinate a Product Support Business Case Analysis, please see AFPAM 63-123, *Product Support Business Case Analysis* and AFLCMC Standard Process for Product Support Business Case Analysis. The PS-BCA is a mandatory annex as defined in DoDI 5000.02 (T), Enclosure 6, *Life Cycle Sustainment*. (Note: DODI 5000.02 (T) Enclosure 6 lists this requirement as Business Case Analysis.) (For more information on PS-BCA requirements see the *AFLCMC Product Support (PS) Business Case Analysis (BCA)* Standard Process located on the AFLCMC Acquisition Process Directory.

4.7.2   Preservation and Storage of Unique Tooling Plan. (Major Defense Acquisition Program (MDAP) Only) The Preservation and Storage of Unique Tooling Plan, as outlined and required by section 815 of Public Law 110-417 (Reference (f)), is prepared to support MS C. It must include the review cycle for assessing tool retention across the life of the system. If an MDA (other than the Defense Acquisition Executive (DAE)) determines that preservation and storage of unique tooling is no longer required, a waiver will be submitted to the DAE for notification to Congress. If the requested waiver is approved, the program office will document approval in the LCSP, Section 1. The Preservation and Storage of Unique Tooling Plan is a mandatory Annex as defined in AFI 63-101/20-101, para. 7.7.5.4. and DoDI 5000.02 (T), Enclosure 6 and is expected to be attached to the LCSP. (For more information on Preservation and Storage of Unique Tooling Plan requirements see Attachment 12 of this process or contact AFLCMC/LZS Workflow at aflcmc.lzs@us.af.mil.)

4.7.3   Core Logistics Analysis. By MS A, the DoD Component will document its determination of applicability of core logistics capability and identify the requirements in the LCSP in accordance with 10 USC, § 2366a (Reference (g)). For additional information see AFI 63-101/20-101, para. 7.7.5.3. Note: If a program falls within the Core Logistics Analysis (CLA) exclusions as stated in 10 USC 2464, Annex is not required; however, it is recommended that the program office verify the rationale for exclusion with AFMC/A4F and document AFMC/A4F's concurrence that the program falls with the stated exclusion.) For more information on how to

do and coordinate on a Core Logistics Analysis, please see the AFLCMC/LG-LZ 50/50 & Core Reporting Internal Process Guide (IPG). The CLA is a mandatory annex as defined in DoDI 5000.02, Enclosure 6 (para 3.d (2). A memorandum from HQ AFMC/A4FD documenting the result of the Core Logistics Analysis is expected to be attached to the LCSP. (For more information on DSOR requirements see the *AFLCMC DSOR* Internal Process Guide located on the AFLCMC Acquisition Process Directory.

4.7.4 DSOR. The program office will attach the program's estimated requirements for maintenance, repair and associated logistics capabilities and workloads to the LCSP in accordance with 10 USC, § 2366b by MS B. When available, the program's final DSOR letter should be included in this annex. The program's maintenance plan will ensure that core depot-level maintenance and repair capabilities and capacity are established no later than four years after IOC in accordance with 10 USC, § 2464 Note: If program falls within DSOR exclusions as defined in AFI 63-101/20-101 para 7.13.8, Annex is not required; however, program office should verify the rationale for exclusion with AFMC/A4F and document AFMC/A4F's concurrence that the program falls within the stated exclusion. The DSOR is a mandatory annex as defined in AFI 63-101/20-101, para 7.7.5.6.. A memorandum from HQ AFMC/A4FD documenting the result of the DSOR process is expected to be attached to the LCSP. (For more information on DSOR requirements see the *AFLCMC DSOR* Internal Process Guide located on the AFLCMC Acquisition Process Directory.

4.7.5 Intellectual Property (IP) Strategy. The program's IP Strategy will be included in the LCSP and updated appropriately during the O&S Phase (see DoDI 5000.02, Enclosure 6, para. 3. d(4)) for additional information). The IP Strategy must be updated, where appropriate, to support and account for evolving IP considerations associated with award and administration of all contracts throughout the system life cycle. The IP Strategy becomes part of the LCSP at Milestone B, C and subsequent LCSP Plan updates, including major modification programs. For additional information, see AFI 63-101/20-101, para. 7.7.5.5.. The IP Strategy is a mandatory annex as defined in Dodi 5000.02, Enclosure 6 (para 3.4.e.(4) and is expected to be attached to the LCSP. (For more information on IP Strategy requirements see Attachment 14 of this process or contact AFLCMC/LZS Workflow to request assistance.)

4.7.6 Independent Logistics Assessment (ILAs). (MDAP Only) Programs will conduct ILAs for all MDAPs prior to MS B, C, and FRP decision (if FRP is more than four years after MS-C). After (IOC, the program will conduct ILAs at a minimum interval of every five years. IAW DoDI 5000.02 Enclosure 1, *Acquisition Program Categories and Compliance Requirements,* the CAE is the approval authority for all ILAs. ILA results are annexed to the LCSP IAW AFI 63-101/20-101, para. 7.9.2. (Note: CAE ILA approval occurs at that point the CAE completes coordination of

the LCSP.) For additional information on ILAs, see AFI 63-101/20-101, para. 7.9.2. For more information on how to conduct and coordinate an ILA, see the AFLCMC ILA IPG version 1.4. The ILA is a mandatory annex as defined in AFI 63-101/20-101 para. 7.9.2 and is expected to be attached to the LCSP in the form of ILA findings and corrective actions. (For more information on ILA requirements see the *AFLCMC Independent Logistics Assessment (ILA)* Internal Process Guide located on the AFLCMC Acquisition Process Directory.

4.7.7   Engine Life Management Plan (ELMP). The ELMP is a mandatory annex and expected to be attached to the LCSP, per AFI 63-101/20-101, para. 7.7.5.2. Each Engine Type, Model and Series (TMS) engine currently active in the AF inventory shall have an ELMP on file. The ELMP for systems with propulsion requirements is a sub-element of other Program plans, such as the LCSP, which specifically addresses propulsion and may be a stand-alone chapter or an attached annex. LP TMS managers should utilize the Propulsion Directorate's ELMP Template as the basis for their respective ELMP. On a case-by-case basis, the AF Director of Propulsion may grant an exemption from the ELMP requirement for commercial gas turbine engines in service on AF commercial derivative aircraft, certified by the Federal Aviation Administration, and maintained by Contractor Logistics Support (CLS) to the manufacturer's specifications. Contact AFLCMC.LP.Workflow@us.af.mil to obtain the requirements for an exemption request. If this exemption is given, it should be documented in the "Introduction" section of the LCSP along with any other exemptions/waivers granted to the program. Watch for AFMAN 20-116 update. For more information on ELMP requirements see DoP ELMP SharePoint site (https://cs2.eis.af.mil/sites/13234/ELMP/Shared%20Documents/Forms/AllItems.aspx) for ELMP guidance, which includes the ELMP Template and coordination requirements.

4.7.8   Technical Order Life Cycle Management Plan (TOLCMP) and Technical Order Life Cycle Verification Plan (TOLCVP). A TOLCMP should be drafted early in the lifecycle and finalized NLT MS B. Post MS B, the TOLCMP should be refined during each stage of the lifecycle and updated on an annual basis along with the TOLCVP. The TOLCMP and TOLCVP are mandatory for all programs listed on the United States Air Force (USAF) Program Master List or Acquisition Master List and should be considered for use in any other minor acquisition program. The TOLCMP and TOLCVP are mandatory annexes as defined in AFI 63-101/20-101, para 7.7.5.13 and TO-00-5-3, para. 2.1.4.2 and are expected to be attached to the LCSP. (For more information on TOLCMP/TOLCVP requirements see the *AFLCMC TOLCMP* Internal Process Guide located on the AFLCMC Acquisition Process Directory.

4.7.9   Demilitarization Plan. The PM shall ensure demilitarization, disposal, reclamation support requirements are identified in accordance with

applicable directives by MS C. The program Demilitarization Plan shall be included as an expected annex to the LCSP. For additional information on the Demilitarization Plan requirement, see DoD 4160.21-M, *Defense Material Disposition Manual* and AFI 63-101/20-101, para. 7.20.2 (Mandatory Annex as defined in AFI 63-101/20-101, para 7.7.5.10.) (For more information on Demilitarization Plan requirements see the *AFLCMC Demilitarization Plan* Internal Process Guide located on the AFLCMC Acquisition Process Directory.

4.7.10   (Recommended annex) DMSMS. DMSMS management is identified as an entry in a LCSP table of regulatory/statutory requirements that influence sustainment performance. In addition, the LCSP is required to include a detailed, integrated life-cycle system schedule that contains major logistics sustainment events including dependencies on key sustainment planning documents. The DMSMS Management Plan (DMP) is identified as one of the key sustainment planning documents. For information on how to complete and coordinate on a DMP, please see AFMCI 20-105 and the DMSMS Guidebook (SD-22, 2 Nov 17). For more information on DMSMS requirements contact AFLCMC/LZS Workflow at aflcmc.lzs@us.af.mil.

4.7.11   Program Protection Plan (PPP). The PPP is approved by the MDA. Refer to DoDI 5000.02, Enclosure 3 (para 13) for more information. The PM completes the PPP and maintains it throughout the life-cycle of the program. At a minimum, review the PPP every five years congruent with LCSP updates. When a technology development activity transfers to a program, IAW AFI 63-101/20-101, or the system has a major modification, the PM becomes responsible for security impacts of the change and documents them in the program's PPP. The PM ensures that risk-reducing countermeasures for security-related threats are identified and recorded in the PPP. Completed PPPs containing security requirements, including critical component mitigation and management schema, are included in the SEP and then transferred to the LCSP when a system transitions into the O&S phase; Product Support Providers (PSP) identified in the LCSP will be fully informed of their responsibilities. For more information on how to write and coordinate a PPP, please see AFPAM 63-113 and the Defense Acquisition Guidebook Chapter 9, Program Protection. The PPP is a mandatory annex for all programs in the O&S phase, as defined in AFI 63-101/20-101, para 7.7.5.8; however, an executive summary with a program office POC to contact for more information is sufficient to satisfy this requirement. (For more information on PPP requirements see *AFLCMC Program Protection Planning (PPP) and System Security Engineering (SSE)* Standard Process located on the AFLCMC Acquisition Process Directory.

4.7.12   Item Unique Identification (IUID). IUID and valuation is a system of marking, valuing, and tracking items delivered to DoD that enhances logistics, contracting, and financial business transactions supporting the

United States and coalition troops. IUID is required for all new DoD acquisitions, items the Government already owns (also known as legacy items), and Government Furnished Property (GFP) meeting of any one of the following criteria: 1. The item has a line item acquisition cost in its contract of $5,000 or more. According to DoDI 8320.04 in the UII Operational Requirements Table in 2. Operational Requirements, Working solicitations also include provisions for government-furnished property, referred to DFARS 252.211-7007 which directly discusses in sub para 1, that the unit acquisition cost of $5,000 or greater applies to serially managed Government Furnished-Property up to and including Decemnber 31, 2013. All serially managed Government-furnished property, regardless of unit-acquisition cost Program Managers (PMs) are required to begin IUID planning at the formal establishment of a program through the development of an IUID Implementation Plan. The IUID Implementation Plan is approved by the PEO for ACAT I and II programs. For ACAT III programs, the MDA/PEO is the approval authority. Approved IUID Implementation Plans are included in the SEP through MS C and as an annex (an expected attachment) to the LCSP after MS C. For more information on how to complete an IUID Implementation Plan, see the AFLCMC IUID IPG, AFPAM 63-128, Attachment 3 or AFMCI 20-104. (Mandatory Annex after MS C approval as defined in AFI 63-101/20-101, para 7.7.5.9). (For more information on IUID requirements see the *AFLCMC Item Unique Identification (IUID) Planning and Execution* Internal Process Guide located on the AFLCMC Acquisition Process Directory.

4.7.13   Replaced System Support Plan (RSSP). The RSSP is a Component approved plan applicable to MDAP programs that provides information on the sustainment of an existing system that the system under development is intended to replace. The RSSP describes the approach for how the program plans to sustain (including budgeting and funding) the existing system until the replacement system is fielded and assumes the majority of responsibility for the mission of the existing system. The RSSP is submitted as an attachment to the LCSP. The RSSP is a mandatory annex for MDAP LCSPs as defined in AFI 63-101/20-101, para. 7.7.5.11.(For more information on RSSP requirements see Attachment 13 of this process or contact AFLCMC/LZS Workflow at aflcmc.lzs@us.af.mil to request assistance.)

4.7.14   Partnership Agreements. Public-Private Partnerships are typically supported by three complementary agreements. The prime contract documents the relationship between the program office and the private sector entity. The Partnership Agreement establishes the overarching organizational interactions, assumptions and processes the stakeholders agree to follow during the partnership. The Implementation Agreement describes the specific workloads to be performed by the partners. The Product Support Manager is responsible for developing and managing the public-private partnership and harmonizing the three agreements to ensure

an effective and affordable product support strategy. The Product Support Manager provides copies of all partnership and implementation agreements supporting the product support strategy in a mandatory annex to the Life Cycle Sustainment Plan as defined in AFI 63-101/20-101, para. 7.7.5.12 and 7.15.2.3. For additional information, please see the Public-Private Partnership for Product Support Guidebook.

5.0 Measurement.

5.1 AFLCMC/LG-LZ collects LCSP Process metrics via the Logistics Health Assessment Demographic Questions on an annual basis. LCSP process metrics are collected and analyzed to aid in the development of standardized processes, monitor center level compliance with policy and to track implementation of program LCSP strategies. Table 4 below provides additional details on the LCSP S&P Board Metric Attibute.

	Metric Attribute	Description
Administrative Info	APD Ref No	PXX
	Process Name	Life Cycle Sustainment Plan Development and Coordination Standard Process
	Process Lead	Stephen Johnson
	Metric POC	Stephen Johnson
	Date Completed	Sep 2018
S	Metric Name / Description	LCSP Program Compliance: Semi annual review of AFLCMC AML listed programs to ensure programs have a LCSP (or LCMP if appropriate) approved. A valid LCSP – is defined as an LCSP that was approved at the appropriate level and approved/reviewed at a minimum within the last 5 years
	Calculation	# of Valid LCSP/LCMP divided by # of AFLCMC AML programs (at point of data call)
	Business Rules	• Will use the Logistics Health Assessment Demographic Question section to request data from AML programs • If multiple AML programs are covered under single LCSP/LCMP, will count both in numerator and denominator calculation • Programs in the process of being removed from AML, will not be included in calculation • Metric only captures active AML programs
M	Data Source	AFMCLC/LG-LZ Semi-Annual Data call (Mar and Sep)
A	Process Owner	AFLCMC/LG-LZ
	Decision Maker	AFLCMC/LZS
	Review Forum / Governance Body	1) AFLMC/LG-LZ (Semi-annual) 2) 2) S&P Board (semi-annually) if metric not meeting targets
	Target	90%
	Thresholds (R/Y/G)	Green: Greater than or equal to 90% Yellow: 70% < to < 90% Red: Less than 70%
	Baseline Performance	Will plan to use Mar 16 Data Call to support baseline Performance calculation
R	Enterprise Impact / Process Purpose	LCSPs are a statutory requirement. Standard Process ensures coordination and content compliance and oversight.
	LCMC Obj	
T	Baseline Date	Apr 16
	Review Frequency	Semi-Annual
	Update Frequency	Semi-Annual

Note: SMART – Specific, Measurable, Actionable, Relevant, Time-bound

Table 4. LCSP Metric Attribute Description

5.2 In addition to the LCSP S&P Board metric shown in Table 4, AFLCMC/LZS will also track the following metric information related to the LCSP timeliness and quality to inform further process streamlining and areas for improvement. As appropriate these metrics will be shared with AFLCMC/LG-LZ and the center Logistics OSFs.

5.2.1 Timeliness: AFLCMC/LZS will track processing times beginning at Step 1.3 and ending at Step 1.9 in the LCSP WBS.

5.2.2 Quality: AFLCMC/LG-LZ will track number and type of comments submitted during Center Functional Review and subsequent LCSP reviews to identify potential trends/gaps in center LCSP Sample Outline and training.

6.0   Roles and Responsibilities.

6.1   PM. The PM is responsible for content and preparation of the LCSP. The PSM is the PM's focal point for developing this document and functions as the program's focal point and SME to manage all sustainment efforts. The PM is also responsible for ensuring the LCSP team is developed and consists of SMEs selected by the PM and/or PSM.

6.2   PSM/LCSP Lead. In collaboration with the PM, is responsible for development and management of the product support functions.

6.3   Program LCSP Stakeholder Team Support.

6.3.1   Lead Command/Using Command(s) (Requirements Owner). Develop supportability requirements (KPPs/KSAs).

6.3.2   Financial Community (FM). Responsible for the financial management execution of an annual production, research & development and operations & maintenance budget.

6.3.3   Product Support Integrator/Product Support Provider. Includes organic and contractor (to the extent practical) resources and provides subject matter expertise in product support strategies (i.e., Supply, Maintenance, Support Equipment, Software, etc.).

6.3.4   Lead Systems Engineer (LSE). Works with the PSM to ensure the LCSP includes appropriate technical information for sustainment and product support.

6.3.5   Software Engineering (SE). Manages system development and sustainment by addressing each system as having three major components: hardware, software, and human.

6.3.6   Contracting Community (PK). Responsible for the contracting activity required to implement execution of the product support strategy.

6.3.7   Chief Developmental Tester/Test Manager (CDT/TM). Works with the PSM to ensure the LCSP includes appropriate test and evaluation information for sustainment and product support.

6.3.8   Configuration Management (CM). Responsible for establishing and maintaining consistency of program baselines throughout the life cycle.

6.3.9   Associated Product Group Managers (PGMs). Responsible when enterprise management of material used to support multiple weapon systems is desired to improve interoperability and decrease costs through commonality (i.e.: Propulsion, Support Equipment, etc.).

6.4   Process Owner (AFLCMC/LG-LZ).

6.4.1   Maintains and coordinates any changes to this process

6.4.2   Assists program offices in LCSP development and coordination

6.4.3 Collects and analyzes LCSP metrics across AFLCMC programs to assess current status and trends related to LCSP development and coordination

6.5 LCSP Center Functionals.

6.5.1 Provides timely input via CRM (see Attachment 9 as an example) as requested to ensure the product support strategy is well thought out and robust.

6.6 Product Support Enterprise Review (PSER) Forum.

6.6.1 Standing Members: AFLCMC/LZS, HQ AFMC/A4, AFSC/LGX and SAF/AQD.

6.6.2 Serves in an advisory role to PM and PSM to provide senior leaders' enterprise perspective on product support strategies for individual programs.

6.6.3 Provides non-Air Force enterprise oversight to ensure comprehensive product support strategy development, including areas such as:

6.6.3.1. Core Logistics and DSOR considerations

6.6.3.2. Product Support Business Case Analysis (PS-BCA)

6.6.3.3. Intellectual Property Strategy

6.6.3.4. Foresight into reduced Operations and Support (O&S) costs, including disposal costs

6.6.3.5. DMSMS and obsolescence

6.6.3.6. Other sustainment considerations

6.6.4 Serves as recommendation board of approval for SCR signature on LCSP

7.0 Tools.

7.1 The AFLCMC/LG-LZ LCSP Reviewer's Checklist shall be utilized by AFLCMC/LG-LZ during the AFLCMC Center Functional Review (Step 1.3). The AFLCMC/LG-LZ LCSP Reviewer's Checklist is maintained by AFLCMC/LZS and posted to the AFLCMC/LZS SharePoint site. The checklist questions will be provided to all LCSP stakeholders for review and update in conjunction with the annual review of this Standard Process and the AFLCMC LCSP Sample Outline. While a completed AFLCMC/LG-LZ LCSP Reviewer's Checklist is not required upon submittal for LCSP review, it is highly recommended the program office complete the checklist prior to submittal.

7.2 AFLCMC/LG-LZ LCL Community SharePoint site. Referenced site provides policy, guidance, forms, examples, PSER briefing templates and lessons learned for LCSP development, reviews and coordination. (Web site link: **https://usaf.dps.mil/sites/41289/SitePages/Home.aspx**)

7.3 Data Sources Table (Attachment 6). To aid in the development of the LCSP, AFLCMC/LG-LZ has developed a recommended listing of program documentation/data sources that may be used to support completion of the LCSP.

7.4 AFLCMC LCSP eSSS Template. To aid the program in the coordination process, AFLCMC/LG-LZ has developed a template eSSS and listing of required e-mail workflow addresses (Attachment 8) that should be used to support the LCSP coordination process.

7.5 LCSP Electronic Coordination Tool Memo (Attachment 11). To aid in the coordination of the LCSP Step 1.10/1.11, AFLCMC/LG-LZ has provided the attached memo.

7.6 LCSP and LCMP Correlation Matrix (Attachment 5). To aid in crosscheck between LCMP and LCSP requirements for program's approved to utilize LCMP as stated in para. 2.4.

8.0 Delivery Approach.

8.1 Training.

    8.1.1 Training Plan. AFLCMC/LG-LZ will provide periodic LCSP awareness classes during Focus Week. AFLCMC/LG-LZ can also provide detailed training to Program Office (PO) LCSP Teams upon request.

    8.1.2 Available Training. DAU provides an on-line course, "CLL 005 Developing a Life Cycle Sustainment Plan (LCSP)" available to all acquisition professionals. Additionally, DAU LOG 201 provides training on LCSP development.

8.2 Change Management Plan. The Change Management Plan is located in Attachment 16 and describes the approach and methods used for implementing and institutionalizing this SP.

9.0 Definitions, Guiding Principles, Ground Rules & Assumptions, and/or Acronyms.
There are no unique definitions, guiding principles, Ground Rules and Assumptions, and/or Acronyms not already outlined in the Law, Policy, Instructions or Guidance listed in para 10.0 below.

10.0 References to Law, Policy, Instructions or Guidance.

10.1 DoDI 5000.02, *Operation of the Defense Acquisition System*, 7 Jan 2015 (Incorporating Change 3, Effective August 10, 2017)

10.2 10 USC, § 2337, *Life-cycle Management and Product Support*

10.3 USD (AT&L), *Document Streamlining - Life-Cycle Sustainment Plan (LCSP),* 14 Sep 2011

10.4 USD (AT&L), *Life-Cycle Sustainment Plan Outline Version 2.0,* 19 Jan 2017

10.5 AFI 63-101/20-101, *Integrated Life Cycle Management*, 30 Jun 2020

10.6 AFPAM 63-128, 10 July 2014, *Integrated Life Cycle Management*

10.7 DAU - *Defense Acquisition Guidebook Chapter 5 – Life Cycle Logistics* and *Product Support Managers Tool Kit*

10.8 DoD Product Support Managers Guidebook, November 2015

10.9 AFLCMC Process Directory (includes PS-BCA Standard Process, ILA Process Guide, etc.) https://cs2.eis.af.mil/sites/21710/gov/APDSP/Forms/AllItems.aspx

Attachments:

Attachment 1. WBS
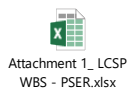
Attachment 1_ LCSP
WBS - PSER.xlsx

Attachment 2. AFLCMC/LG-LZ LCSP Modification Guidance

Attachment
2_Modification Progra

Attachment 3. AFLCMC LCSP Sample Outline (aligned with OSD Version 2.0)

AFLCMC LCSP
Sample Outline 2020

Attachment 4. USD (AT&L) LCSP Sample Outline Version 2.0

Attach 4 OSD Version
2.0_19 Jan 17.pdf

Attachment 5. LCSP and LCMP Correlation Matrix

Attachment 5_ LCSP
_LCMP Correlation Ma

Attachment 6. Data Sources Table

Attachment 6_ Data
Source Table.docx

Attachment 7. Reserved

Attachment 8. LCSP eSSS Review and Coordination Instructions for PSER

Attachment 8_eSSS
Template - PSER Mod

Attachment 9 Comment Resolution Matrix (CRM). (AFMC CRM V2)

Attachment
9_CRM.docx

Attachment 10. PEO Business Rules for SAF/AQ coordination of Documents

Attachment 10_PEO
Buisness Rules.docx

Attachment 11. LCSP Electronic Coordination Tool Memo

Attachment 11_ LCSP
Electronic Coord Tool

Attachment 12. Sample Preservation and Storage of Unique Tooling Plan Outline

[Word document icon]
Attachment 12_
Sample Tooling Plan (

Attachment 13. Replaced Systems Support Plan Template

[Word document icon]
Attachment 13 _ RSSP
ADDM Template v 1.1

Attachment 14. Intellectual Property Strategy for O&S Phase Template

[Word document icon]
Attachment 14_IP
Strategy Template.do

 Attachment 15. Classified LCSP Process Graphic

[PowerPoint document icon]
AFLCMC Classified
LCSP Process - 2020.p

Attachment 16. Change Management Plan

[Word document icon]
Attachment
16_Change Managem