Introduction to Life-Cycle Logistics Management

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Intro to Life-Cycle Logistics Management

I) Logistics Across the System Life-Cycle

II) Design the System for Supportability

III) Sustainment (Product Support) Strategies

IV) Innovative Product Support Successes

V) Intersection of Operational Logistics and DoD Life Cycle Logistics

VI) Air Force Life Cycle Logistics Workforce
Which best describes your current organization?

a) Air Force military (active, guard, reserve)
b) Other military service (active, guard, reserve)
c) Civil service employee
d) Defense contractor
e) Academia
f) Other
Which best describes your latest logistics position?

**Operational Logistics**

a) Maintenance  
b) Supply/transportation  
c) **Staff** (plans, personnel ...)  
d) Other Operational Logistics

**System Management**

e) **Acquisition Logistics** (program office, PEO ...)  
f) **Sustainment Logistics** (depot, ICP, DLA ...)  
g) **System Logistics Requirements**  
h) Other System Management
Which describes your certification level in "Life-Cycle Logistics"?

a) Level I DAWIA Certified Life-Cycle Logistician
b) Level II DAWIA Certified Life-Cycle Logistician
c) Level III DAWIA Certified Life-Cycle Logistician
d) No idea what is "DAWIA" certification
Logistics Across the System Life-Cycle

- What is the DoD system life-cycle?
- What are the key DoD system management milestones?
- What is “Life-Cycle Logistics” management?
- What are DoD’s Life-Cycle Logistics management goals?
DoD Instruction 5000 describes system management life-cycle

- Five distinct phases
- Four system management milestone decisions
- The Program Manager is the “Life-Cycle System Manager”
**Key DoD System Management Milestones**

- **Milestone A:** Materiel solution and Technology Development Strategy approved.
- **Milestone B:** Acquisition Strategy and Program Baseline approved. Life-Cycle Sustainment Plan (LCSP) published.
- **Milestone C:** Approve Low-Rate Initial Production and Initial Operational Test & Evaluation. LCSP updated.
- **Full Rate Production Decision:** Approve post-deployment performance evaluation criteria.
Logistics Across the System Life-Cycle

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“Life-Cycle Logistics”

- Planning, development, implementation and management of a comprehensive, affordable, and effective systems support strategy, within total life cycle systems management.
  - Encompasses system’s life cycle, including acquisition, sustainment, and disposal.
Life-Cycle Logistics Management Goals

- **Influence product design** for affordable system operational effectiveness
- Design and **develop the support system** utilizing performance-based logistics.
- Acquire and concurrently **deploy** the supportable system, including **support infrastructure**.
- **Maintain/improve** readiness, improve affordability, and minimize logistics footprint.
Life-Cycle Logistics Management

- System Engineer
- Logistics Manager (PSM)
- Manufacturing Manager
- Test & Evaluation
- Contracting
- Business Manager

- Contractor Program Manager
- Engineering
- Logistics
- Manufacturing
- Test & Evaluation
Supportability in DoD System Management

Program Management

Technical Management

Product Support Management

Supportability Performance Requirements

- KPPs
- KSAs

System Engineering Plan

Life Cycle Sustainment Plan
Supportability Analysis in DoD System Management

Program Management

Technical Management

Product Support Management

Supportability Performance Requirements
- KPPs
- KSAs

Supportability Analysis Process

Support Element Plans
- Maint
- Tech Data
- Supply
- Support Equip
- Computer
- PHS&T
- Facilities
- Manpower
- Training
...
Supportability Analysis in DoD System Management

Program Management

Technical Management

Product Support Management

Supportability Performance Requirements
- KPPs
- KSAs

Supportability Analysis Process
- System Supportability Measures
- System Supportability Analysis: FMECA, LORA
- Component Maintenance Analysis: RCM, MTA
- Supportability Test & Evaluation: FRACAS, FTA

Support Element Plans
- Maint
- Tech Data
- Supply
- Support Equip
- Computer
- PHS&T
- Facilities
- Manpower
- Training
- ...

System Engineering Plan

Life Cycle Sustainment Plan
Logistics Across the System Life-Cycle

- Why is Life-Cycle Logistics Management important?
- What is the burning platform driving DoD product support?
- What are the 12 Integrated Product Support elements?
Life Cycle Management

• “Implementation, management, and oversight, by the designated Program Manager (PM), of all activities associated with the acquisition, development, production, fielding, sustainment, and disposal of a DOD system across its life cycle.” (JCIDS Operation Manual)

• “The PM shall be the single point of accountability for accomplishment of program objectives for total life cycle systems management, including sustainment” (DoDD 5000.01, Para E1.29.)

• “The PM, as the life-cycle manager, is responsible for accomplishing program objectives across the life cycle, including the operating & support (O&S) phase.” (DAG, Para 5.0.1)
Life Cycle Management
...Not a New Concept

“Incorporating logistics considerations into the design of weapon systems was, in fact, official policy dating back to 1964: the Department of Defense obligated the Services to conceive weapon systems with logistics in mind, emphasizing the cost of the system over its entire life, not just the cost of an item at the end of the production phase. This concept of integrated logistics support was, of course, not new even in 1964; it represented the continuation of the long-standing interplay between the research and development process, and the logistics dimension.

“(The) most vital function was seeing that logistics, including supportability and costs, throughout the life of the system were considered whenever decisions were made about the form of the system. It generally was far less difficult, costly, and time consuming to make design changes before a weapon system entered production than to make modifications in the completed system.”

Why is Life Cycle Management So Critical?

Value Proposition - What the Life Cycle Logistician brings to the table:

Translating warfighter performance requirements into tailored product support spanning the system’s life cycle

Where is the Logistician most effective?

While the initial cost to acquire a weapon system is high ......

......Sustainment costs represent largest portion of total ownership costs!
The Burning Platform Part 1: Life Cycle Cost

“Traditionally, development and procurement have accounted for about 28 percent of a weapon’s total ownership cost, while costs to operate, maintain, and dispose of the weapon system account for about 72 percent of the total.

For a number of years, the department’s goal has been to spend less on supporting systems and to devote more funds to development and procurement in order to modernize weapon systems. But, in fact, growth in operating and support costs has limited the department’s buying power.

DOD officials have cited shortages of spare parts and unreliable equipment as reasons for low mission-capable rates for some weapons. As a result, some modernization has been postponed in order to pay high and unexpected operating and maintenance costs.”

GAO-03-57 Setting Requirements Differently Could Reduce Weapon Systems’ Total Ownership Costs
Why is Life Cycle Management so Critical?

Typical DoD Acquisition Program with a Service Life of About 30 Years

Nominal Life Cycle Cost Distribution

SYSTEM ACQUISITION

LIFE CYCLE COST

OPERATION AND SUPPORT

20-35%

60-80%

30+ YEARS
Life Cycle Management Imperative: Total Ownership Cost

Total Ownership Cost influence and management are critical in Weapons System Acquisitions.
The Burning Platform Part 2: DoD “Death Spiral”

Source: Dr. Jacques S. Gansler, USD(A&T), Acquisition Reform Update, January 1999

- Deferred Modernization
- Aging Weapons Systems
- Increased O&S Costs
- Funding Migration from Procurement to O&S
- Increased Operations Tempo
- Reduced Readiness
- Increased Maintenance
Food for Thought

• Does DoD “do” Life Cycle Management well?
• Is long-range product support/sustainment planning seen as “a necessary evil” or an integral part of system acquisition?
• When design trades are made, do (acquisition) cost, schedule and performance come before long-term reliability, supportability, maintainability, and sustainment? Should they?
• When can you most impact achievement of the reliability, availability, cost, and down time sustainment metrics?

Is the anonymous PM correct when he said, “Logistics is my only discretionary account...”??
Life Cycle Systems Management

- DoD Directive 5000.01, Encl. 1, Para E1.1.29.
  - “PMs shall consider supportability, life cycle costs, performance, and schedule comparable in making program decisions.”
  - “Planning for Operation and Support and the estimation of total ownership costs shall begin as early as possible.”
  - “Supportability, a key component of performance, shall be considered throughout the system life cycle.”

Cost, Schedule, Performance….and Supportability!
12 IPS Elements

- 12 Integrated Product Support Elements cover all areas of weapon system supportability.
- These elements ensure the Life Cycle Sustainment Plan (LCSP) is complete and integrated.
- Design Interface influences engineering, manufacturing, and product support occur early in the acquisition process.
- Product Support Management creates the environment to implement a total enterprise sustainment strategy.
**Integrated Product Support**

- “Package of support functions required to field and maintain the readiness and operational capability of major weapon systems, subsystems, and components, including all functions related to weapon system readiness” *(United States Code Title 10 Section 2337)*
  - Often referred to as **system sustainment**
  - Considerations germane to both **acquisition and logistics**
  - Throughout **life cycle**, from requirements determination through system design, development, operational use, retirement, and disposal

- Includes 12 **Integrated Product Support** Elements; Spans Life Cycle

![Diagram of Integrated Product Support](attachment:image.png)
Integration: Key to Successful Product Support Strategies

Achieved by integrating the product support elements to field the Product Support Package
10 Minute Break
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Design the System for Supportability

- What are DoD system sustainment requirements?
- How are these system sustainment requirements established?
- How are system requirements transformed into hardware & software?
- How are system sustainment requirements transformed into logistics capability?
**DoD System Sustainment Requirements**

Mandatory Key Performance Parameter (KPP)
- **System Availability** (%)

Two Mandatory Key System Attributes (KSAs)
- **System Reliability** (MTBF)
- **Operations & Support Cost** ($)

Joint Chief of Staff Manual 3170 defines system KPPs and KSAs
Establishing DoD System Sustainment Requirements

Mandatory Key Performance Parameter (KPP)
- **System Availability** (%)

Two mandatory Key System Attribute (KSAs)
- **System Reliability** (MTBF)
- **Operations & Support Cost** ($)

Initial Capabilities Document

Capabilities Development Document

Capabilities Production Document

Avail Reliable Affordable
Design the System for Supportability

- What are DoD system sustainment requirements?
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- How are system sustainment requirements transformed into logistics capability?
Transforming System Requirements Into Hardware and Software

Concept

System

Subsystem

Joint Requirements System

Defense Acquisition System

DoD Budget System

Configuration Items (hardware, software ...)
Transforming System Requirements Into Hardware and Software

System Requirements

Configuration Item Requirements

Design & Build

System

Configuration Items
What Weapon System Is It?
F-16 Weapon System Includes ...
Transforming System Sustainment Requirements Into Logistics Capability
Transforming System Sustainment Requirements Into Logistics Capability

Designing for Supportability

Driving Reliability, Availability, and Maintainability In...

While Driving Costs Out

Warfighter

Taxpayer
Transforming System Sustainment Requirements Into Logistics Capability

Sustainment Requirements
(KPP and KSAs)

System Sustainment
Performance Measures

Sub-System Sustainment
Performance Measures

Product Support Element
Performance Measures

- Maintainable Logistics Footprint
- Supply Chain Metrics
  - Mission Effectiveness
- Availability
- Reliable
- Affordable

- Maintenance & Supply Plans
- Support Equipment
- Technical Data
- Computer Resources
- Facilities
- Manpower
- Training
Requirements Development

Requirements Statement

Emerging Requirements

Redesign

6 months later
Design the System for Supportability

- What are DoD system sustainment requirements?
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- How are system requirements transformed into hardware & software?
- How are system sustainment requirements transformed into logistics capability?
Product Support Strategies

- What is a DoD Product Support Strategy?
- What is DoD’s PS Business Model?
- What are alternative PS strategies?
- How is PS strategy determined?
- What are Product Support Manager roles?
- What are key Product Support policies, guidance, tools, and references?
Refresher on Sources of Support

- **Interim Contractor Support (ICS)**
  - Intent to eventually establish an organic support capability
  - “A temporary support method for an initial period of the operation of the system, equipment, or end-item. This strategy is utilized for controlling capital investment costs while design stability is being achieved and complex product support elements are being developed.” (Source: Air Force Instruction 63-101/20-101)

- **Contractor Logistics Support (CLS)**
  - Contractor provides support
  - “Broadly defined as contracted weapon system sustainment that occurs over the life of the weapon system. Examples of CLS include contractor provided aircraft and engine overhaul, repair and replenishment of parts, sustaining engineering, and supply chain management.” (Source: U.S. House Report 112-110)

- **Organic Support**
  - Organic capability (organizational, intermediate, depot...or wholesale, retail)

- **Integrated Product Support**
  - Best value mix of government & industry capabilities across each of 12 IPS elements
  - With rare exception, every product support strategy is dependent upon both organic and commercial industry support.
Spectrum of Product Support Opportunities

Determined By:

- Partnering Opportunities
- U.S. Code Title 10
- Service Policies
- OSD/Service Guidance

- Existing Infrastructure
- Best Competencies
- Operational Mission
- Best-Value Analysis
Product Support Decision Matrix

• Variety of combinations
• Will evolve over the life cycle
• Organic vs. commercial – not binary but a spectrum
Directed Emphasis on Product Support

**10 U.S.C. § 2337**

Guidance on Life-Cycle Management — The SecDef shall issue ...comprehensive guidance on life-cycle management
- Maximize competition - best use of DoD and industry resources in Product Support (PS) strategies
- Provide best product support outcomes at the lowest operations and support cost.
- Each major weapon system be supported by a product support manager (PSM)

**DODI 5000.02 Enclosures**
1. Acquisition Program Categories & Compliance Requirements
2. Program Management
3. Systems Engineering
4. Developmental Test and Evaluation (DT&E)
5. Operational and Live Fire Test and Evaluation

**6. Life-Cycle Sustainment Planning**
7. Human Systems Integration (HSI)
8. Affordability Analysis and Investment Constraints
9. Analysis of Alternatives
10. Cost Estimating and Reporting
11. Requirements Applicable to All Programs Containing Information Technology (IT)
13. Rapid Acquisition of Urgent Needs
Life-Cycle Sustainment Planning
(Interim DoDI 5000.02, Enclosure 6)

- Reflects increased emphasis on program sustainment and operation & support costs
- Detailed planning required in support of all acquisition phases
- PBL Policy - Requires PMs to “develop and implement an affordable & effective performance-based product support strategy”
- Requires a Life-Cycle Sustainment Plan (LCSP) for all programs
- Component-conducted Independent Logistics Assessments (ILA) for ACAT I & II programs prior to key decision points and milestone decisions to assess sustainment strategy
- Post-IOC assessments required every 5 years
Guidebooks Support DODI 5000.02 & Complement Product Support Guidance in the DAG
(All available at https://acc.dau.mil/productsupport)

DODI 5000.02
Overarching acquisition guidance (Enclosure 6: Life cycle management, product support strategy, LCSP, PBL, sustainment metrics, ILAs)

Product Support Manager (PSM) Guidebook
Product Support management & IPS Elements

Common Themes: affordability, effectiveness, integration, outcomes, life cycle management
Focus: crafting & executing well-thought out, affordable product support strategies to meet warfighter readiness & cost requirements

Defense Acquisition Guidebook (DAG)
Overarching acquisition guidance

PPP Guidebook
Partnership development

BCA Guidebook
COA analysis process

O&S Cost Mgt. Guidebook
Cost guidance (Coming Soon)

PBL Guidebook
Performance Based Strategy & Arrangements

ILA Guidebook
Logistics Readiness Assessment

RAM-C Guidebook
Design for Supportability

MIL-HDBK-502A
Supportability Analysis Process
DoD Product Support Strategy Process Model

- Outlines major activities to implement, manage, evaluate, and refine product support across the system life cycle
- Not a onetime process, but rather a continuing, iterative process
- Sustainment of a system (or systems) evolves to optimally support the needs and requirements of the Warfighter in an effective and affordable manner
- Model provides a ready reference for defining and implementing product support strategies.

Product Support Manager (PSM) – Heavy Lifter

PSM References & Resources: https://acc.dau.mil/psm

- **Product Support Strategy** that delivers warfighter operational readiness through best blend of public and private resources
- Life-Cycle Sustainment Plan (LCSP)
- Product Support Business Case Analysis (BCA)
- Product Support Arrangements (PSA)
- Leveraging capabilities of public and private sectors to deliver best value product support outcomes
- **Optimized Affordable Readiness**

*Provides weapon system product support subject matter expertise to the Program Manager for execution of PM’s duties as Total Life Cycle Systems Manager*
Product Support Manager (PSM)

10 U.S.C. § 2337 - PSM Roles & Responsibilities

- Develop and implement a comprehensive product support strategy
- Use appropriate predictive analysis & modeling - improve availability & reliability, reduce O&S costs
- Conduct cost analyses to validate product support strategy, including cost-benefit analyses
- Ensure achievement of desired product support outcomes through appropriate product support arrangements;
- Adjust performance requirements & resource allocations across product support integrators (PSI) & product support providers (PSP) to optimize implementation of product support strategy;
- Periodically review product support arrangements between PSIs & PSPs to ensure the arrangements are consistent with product support strategy;
- Prior to change in product support strategy or every five years, revalidate business-case analysis of the product support strategy;
- Ensure product support strategy maximizes small business participation at appropriate tiers
- Ensure product support arrangements for the weapon system describe how such arrangements will ensure efficient procurement, management, and allocation of Government-owned parts inventories in order to prevent unnecessary procurements of such parts
- Identify obsolete electronic parts included in specifications for an acquisition program and approve suitable replacements for such electronic parts (Note: from FY14 NDAA Sec 803)

PSM is Responsible to the PM for Development, Implementation, and Execution of Life Cycle Product Support
PSM Guidebook Describes Product Support Business Model and Execution Mechanisms

Introduction
- Background
- Purpose
- Major tasks of the PSM
- Relationship to Policy and Other Guidance

Product Support Business Model
- Product Support Business Model Overview
- PSM, PSI, PSP Roles and Responsibilities
- Product Support Agreements
- Product Support Strategy and Implementation

Life-Cycle Management Tools
- Sustainment Readiness Levels
- Logistics Assessments
- Metrics
- Enterprise Synergies and IPS Elements
- Business and Variance Analysis
- Supply Chain Management
- LCSP
- Product Support Package Update
- Funding Alignment

Developing or Transitioning to a New Product Support Strategy

Sustainment in the Life-Cycle Phases
- Materiel Solution Analysis
- Technology Development
- Engineering and Manufacturing Development
- Production and Deployment
- Operations and Support

Appendices

Frames the product support discussion & puts the document in context
Delineates roles and responsibilities, product support relationships, and codification of those relationships
Describes major product support activities and tools that the PSM manages or uses to drive sustainment outcomes
Provides a 12-step process for developing and implementing a product support strategy
Provides phase specific guidance on using select life-cycle management tools and activities

Available at: https://acc.dau.mil/psm-guidebook
To Learn More about the DoD Product Support Manager (PSM)

Shortcut Link: https://acc.dau.mil/psm
DoD 2015 PSM Workshop

- Theme: “Tangible Tools for the Workforce”
- Sponsor: Assistant Secretary of Defense for Logistics & Materiel Readiness
- Location: Ft Belvoir, VA (DAU Scott Hall)
- Cost: $86
- Registration: Now Open

http://www.acq.osd.mil/log/mr/PSM_workshop.html
Product Support Strategies

✓ What is a DoD Product Support Strategy?
✓ What is DoD’s PS Business Model?
✓ What are alternative PS strategies?
✓ How is PS strategy determined?
✓ What are Product Support Manager roles?
✓ What are key Product Support policies, guidance, tools, and references?
10 Minute Break
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IV) Innovative Product Support Successes

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VI) Air Force Life Cycle Logistics Workforce
Innovative Product Support Successes

- What is a Performance Based Logistics (PBL) Support Strategy?
- Why employ a PBL Strategy?
- DoD PBL Award Winners
- PBL Strategy Successes
PSM is the Warfighter’s Principle Product Support Agent. Responsible for Incentivizing PSI(s) to Achieve Warfighter Requirements.
Product Support Strategies

<table>
<thead>
<tr>
<th>Arrangements</th>
<th>Initial</th>
<th>Intermediate</th>
<th>Long-Term</th>
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<tr>
<td>Organic</td>
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<td>Commercial</td>
<td>ICS</td>
<td>Contracts</td>
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Initial Contractor Support
Intermediate Support
Long-Term Support

Materiel Solution Analysis
Technology Maturation & Risk Reduction
Engneering & Manufacturing Development
Production & Deployment
Operations & Sustainment
Disposal
Performance Based Logistics Strategy

DoD Program Manager

Repairs
Parts
Engineering

Performance
Availability
Reliability
Mission Effectiveness
...

...
Performance Based Logistics Strategy

Supply/DLA
Depot Repair
Contract Support
Transportation
Organizational Maintenance
Common Commodities
Program Manager
Product Support Integrator
Risk
Performance Based Logistics Strategy

“PBL is the purchase of support as an integrated, affordable, performance package

- Designed to optimize system readiness and meet performance goals for a weapon system

- Through long-term support arrangements with clear lines of authority and responsibility.”

The Essence of PBL is Buying Performance Outcomes, Not Individual Parts & Repair Actions

Source: Defense Acquisition Guidebook
Traditional Contractor Support

- Forecast Requirements
- Specify Buy Quantities
- Pay for each on a Unit Price basis
- Assume all risk for:
  - right parts
  - right repairs
  - right time
  - right quantities

The more I sell, the more profit I make!

DoD

High Risk

Low Risk

Contractor

Parts

Repairs

Technical Support
PBL Contractor Support

**Incentivized to**
- Improve products
- Improve processes

- Forecast Requirements
- Make buy decisions
- Assume all risk for:
  - right parts
  - right repairs
  - right time
  - right quantities

The less I use, the more profit I make!

- Product Support Integrator

DoD

Specify Performance Outcomes

Low Risk
Spectrum of PBL Strategies

1.1 Industry-Centric Platform Strategy
   (Example: C-12 Huron)

1.2 Blended DoD-Industry Platform Strategy
   (Example: Stryker)

1.3 DoD-Centric Platform Strategy
   (Example: Common Ground Station)

2.1 Industry-Centric Subsystem Strategy
   (Example: HIMARS)

2.2 Blended DoD-Industry Subsystem Strategy
   (Example: APU)

2.3 DoD-Centric Subsystem Strategy
   (Example: M119-A2 Howitzer)

3.1 Industry-Centric Component Strategy
   (Example: Military Tires)

3.2 Blended DoD-Industry Component Strategy
   (Example: USAF IPV)

3.3 DoD-Centric Component Strategy
   (Example: War Reserve, Contingency Stock)
**Expected Results from Well-Crafted PBL Arrangements**

- Increased Material Availability
- Decreased Logistics Response Times
- Decreased Repair Turn-Around-Times
- Near Elimination of Awaiting-Parts Problems
- Major Reduction in Backorders
- Reduced Logistics Footprint
- Improved Reliability
- Proactive DMSMS & Obsolescence Mitigation
- ...*While Spending the Same or Less*

...By Incentivizing Product & Process Improvement
Performance Based Logistics (PBL)

PBL ≠ CLS

• An outcome-based product support strategy…
• …that plans and delivers an integrated, affordable, performance solution…
• …designed to optimize system readiness …
• …for the warfighter

Balances Warfighter Readiness & Affordability
Innovative Product Support Successes

- What is a Performance Based Logistics (PBL) Strategy?
- Why Employ a PBL Strategy?
- DoD PBL Award Winners
- PBL Strategy Successes
<table>
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</tr>
<tr>
<td></td>
<td>Subsystem</td>
<td>AH-64D Apache</td>
<td>USA</td>
<td>Boeing</td>
</tr>
<tr>
<td></td>
<td>Component</td>
<td>H-46 Sea Knight / H-53 Sea Stallion APU</td>
<td>USN</td>
<td>Hamilton Sunstrand</td>
</tr>
<tr>
<td>2011</td>
<td>System</td>
<td>Joint STARS Total System Support Responsibility Team</td>
<td>USAF</td>
<td>Northrop Grumman</td>
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<tr>
<td></td>
<td>Subsystem</td>
<td>AH-64D Apache Sensors</td>
<td>USA</td>
<td>Lockheed Martin</td>
</tr>
<tr>
<td></td>
<td>Component</td>
<td>Tire Performance-Based Logistics Team</td>
<td>USN</td>
<td>Michelin Aircraft Tire</td>
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<tr>
<td>2012</td>
<td>System</td>
<td>C-17 Globemaster Integrated Sustainment Partnership</td>
<td>USAF</td>
<td>Boeing</td>
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<tr>
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<td>Subsystem</td>
<td>P-3 AN/APS-137D(V)5 Radar</td>
<td>USN</td>
<td>Raytheon</td>
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<tr>
<td></td>
<td>Component</td>
<td>Industrial Prime Vendor, Depot Consumables</td>
<td>DLA</td>
<td>Lockheed Martin</td>
</tr>
<tr>
<td>2013</td>
<td>System</td>
<td>Combat Operations Center, TSQ-239(V)</td>
<td>USN/USMC</td>
<td>General Dynamics</td>
</tr>
<tr>
<td></td>
<td>Subsystem</td>
<td>Apache Sensors, Modernized TADS/PNVS (M-TADS/PNVS)</td>
<td>USA</td>
<td>Lockheed Martin</td>
</tr>
<tr>
<td></td>
<td>Component</td>
<td>Global Patriot</td>
<td>USA</td>
<td>Raytheon</td>
</tr>
<tr>
<td></td>
<td>Component</td>
<td>F414 Engine</td>
<td>USN</td>
<td>General Electric</td>
</tr>
</tbody>
</table>
Performance Based Logistics Policy

- DoD Directive 5000.01 (Nov 2007)

  The PM shall be single point of accountability for accomplishment of program objectives for total life cycle systems management, including sustainment. (Enclosure 1, Para E1.1.29)

  PMs shall develop & implement performance-based logistics strategies that optimize total system availability while minimizing cost and logistics footprint. (Enclosure 1, Para E1.1.17)

- Interim DoD Instruction 5000.02 (Nov 2013)

  PMs will employ effective Performance Based Logistics planning, development, implementation, & management in developing a system's product support arrangements. (Enclosure 6, Para 2.a.(2))

  PBL offers the best strategic approach for delivering required life cycle readiness, reliability, & ownership costs. Sources of support may be organic, commercial, or a combination, with primary focus optimizing customer support, weapon system availability, and reduced ownership costs.” (Enclosure 2, Para 8.c.(1)(d))
**Performance Based Arrangements are Effective When Properly Structured and Executed**


- Provides consistent definition and attributes of effective performance based arrangements
- Includes considerations for circumstances that may or may not support PBL implementation
- Provides indicators of effective performance based arrangements
- OSD and Service actions
  - Include plans for performance based arrangement implementation in milestone decision reviews
  - Review departmental barriers to adopting performance based arrangements
  - Assess performance based arrangement effectiveness in sustainment reviews
  - Assess PBL skills gaps among PM, Contracting, Engineering, Cost Estimating, Financial Management functions, and refine training and DAU learning assets


- Reference for the skilled practitioner…How-to guide
- Consolidated resource of best practices needed to implement effective arrangements
- Unifying generic subsystem use-case to demonstrate concepts in practice
- Sample PBL contract
- Metrics reference guide of 150 performance metrics
- Frequently Asked Questions section to ease reference
- Comprehensive compilation of best practices, lessons learned and resource material for PBL development and implementation
Innovative Product Support Successes

- What is a Performance Based Logistics (PBL) Strategy?
- Why Employ a PBL strategy?
- DoD PBL Award Winners
- PBL Strategy Successes
The Defense System Acquisition Workforce

- What is the Defense Acquisition Workforce?
- What is DoD Life-Cycle Logistics DAWIA certification?
- What are LCL Key Leadership Positions?
- How does DAU support Life-Cycle Logisticians?
- Where can you learn more about Life-Cycle Logistics?
DAU: Established to Support the Acquisition Workforce

10 USC Ch. 87 - Sec. 1746: “The Secretary of Defense ... shall establish and maintain a defense acquisition university structure to provide for the professional educational development and training of the acquisition workforce.”

DAU Mission: Provide a global learning environment to develop qualified acquisition, requirements and contingency professionals who deliver and sustain effective and affordable warfighting capabilities.
Located With Our Customers

<table>
<thead>
<tr>
<th>Region</th>
<th>Location</th>
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<tbody>
<tr>
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<tr>
<td>Mid-Atlantic</td>
<td>California, MD</td>
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<tr>
<td>Midwest</td>
<td>Kettering, OH</td>
<td>21,329</td>
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<tr>
<td>South</td>
<td>Huntsville, AL</td>
<td>34,769</td>
</tr>
<tr>
<td>West</td>
<td>San Diego, CA</td>
<td>29,824</td>
</tr>
</tbody>
</table>

We are part of the community, not just a place to take classes.
Includes procurement to disposal of defense system material, and integration of multiple material sources and processes to meet warfighter requirements.

Includes planning and executing maintenance, both scheduled and unscheduled, to defense system equipment.

Includes transportation, packaging, cargo scheduling, and dispatching of materials, support services, and personnel in response to customer requirements to move and sustain the force.

Includes planning, development, implementation, and management of a comprehensive, affordable, and effective systems support strategy.

**Four Logistics Workforce Categories from 2008 DoD Logistics Human Capital Strategy**


**SUPPLY MANAGEMENT**
- Forecasting and Demand Planning
- Supply Planning
- Sourcing
- Inventory Management

**MAINTENANCE SUPPORT**
- Maintenance Operations (includes depot maintenance)
- Production & Support

**DEPLOYMENT/DISTRIBUTION/TRANSPORTATION**
- Physical Distribution/Transportation Operations
- Deployment Planning

**LIFE CYCLE LOGISTICS**
- Logistics Design Influence
- Integrated Product Support Planning
- Product Support & Sustainment
- Configuration Management
- Reliability & Maintainability Analysis
- Technical/Product Data Management
- Supportability Analysis

*Bottom line: Support the Warfighter!*
Life Cycle Logistics: At Nexus of DoD Acquisition & Logistics

KEY FOCUS: Driving toward greater horizontal & vertical integration
<table>
<thead>
<tr>
<th>Workforce Count by Career Category</th>
<th>Army</th>
<th>Navy</th>
<th>Air Force</th>
<th>4th Estate</th>
<th>Totals</th>
<th>% Total</th>
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<td>FY14Q3</td>
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<tr>
<td>Auditing</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>4,318</td>
<td>4,318</td>
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<td>254</td>
<td>535</td>
<td>438</td>
<td>75</td>
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<td>1,896</td>
<td>1,832</td>
<td>645</td>
<td>6,241</td>
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<td>Contracting</td>
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<td>8,409</td>
<td>7,506</td>
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<td>19,445</td>
<td>8,582</td>
<td>2,021</td>
<td>39,107</td>
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<td>Facilities Engineering</td>
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<td>5,089</td>
<td>4</td>
<td>42</td>
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<td>Information Technology</td>
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<td>2,152</td>
<td>1,114</td>
<td>773</td>
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<td>Life Cycle Logistics</td>
<td>7,688</td>
<td>5,584</td>
<td>2,854</td>
<td>1,516</td>
<td>17,642</td>
<td>11.7%</td>
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<td>Production, Quality and Man</td>
<td>1,435</td>
<td>2,603</td>
<td>335</td>
<td>5,205</td>
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<td>5,318</td>
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<td>Property</td>
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<td>57</td>
<td>21</td>
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<tr>
<td>Purchasing</td>
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<td>500</td>
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<td>Test and Evaluation</td>
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<tr>
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<td>2</td>
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<td>27</td>
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<td>150,247</td>
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<td>25.2%</td>
<td>35.3%</td>
<td>23.1%</td>
<td>16.5%</td>
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</tbody>
</table>

Note 1 - Source: AT&L HCI - Workforce DataMart; FY14 Third Quarter Data

Note 2 - Net Life Cycle Logistics Workforce Decrease of 116 from 17,758 between Q2 and Q3 (Majority were US Army)

Note 3 – Army declined by 638 from 8,326 to 7,688 between Q3FY13 and Q3FY14 (While DLA/4th Estate increased by 917 from 599 to 1,516)
Strategic Imperative

At the End of the Day, Life Cycle Logisticians pursue two fundamental objectives:

1. **Weapons systems be designed, maintained, and modified to continuously reduce the demand for logistics**

2. **Logistics support must be effective and efficient; the resources required to provide life cycle product support must be minimized while meeting warfighter readiness requirements**

Affordable Readiness!
DAU: Training Courses…and More

Formal & informal learning at the point of need

Training Courses
- Classroom & online DAWIA, Core Plus, & Executive

Continuous Learning
- CL Modules - Online, self-paced learning modules
- Conferences – Senior Leader Acquisition Training, Business Managers, DAU Acquisition Community Symposium

Knowledge Sharing
- DAP - Online portal to acquisition knowledge
- ACC - DoD's online collaborative communities
- Virtual Library - Online connection to DAU research collection

Mission Assistance
- Consulting - Helping organizations solve complex acquisition problems
- Targeted Training - Tailored organizational training
- Rapid Deployment Training - On-site & online training on the latest AT&L policies
Life Cycle Logistics DAWIA Certification Requirements (FY15)

**Level I Certification**
- **ACQ 101** Fundamentals of Systems Acquisition Management
  - 25 hrs, online
- **SYS 101** Fundamentals of Systems Planning, Research, Development and Engineering
  - 35 hrs, online
- **LOG 101** Acquisition Logistics Fundamentals
  - 27 hrs, online
- **LOG 102** Fundamentals of System Sustainment Management
  - 25 hrs, online
- **LOG 103** Reliability, Availability and Maintainability (RAM)
  - 20 hrs, online
- **CLL 008** Designing for Supportability in DoD Systems
- **CLL 011** Performance Based Life Cycle Product Support (PBL)
  - Knowledge based

**Level II Certification**
- **ACQ 202** Intermediate Systems Acquisition, A
  - 25 hrs, online
- **ACQ 201A&B Renumbered**
- **LOG 200** Intermediate Acquisition Logistics, Part A
  - 32 hrs, online
- **LOG 206** Intermediate Systems Sustainment Management
  - 15 hrs, online
- **CLL 001** Life Cycle Mgt & Sustainment Metrics
- **CLC 011** Contracting for the Rest of Us
- **CLL 012** Supportability Analysis

**Choice of:**
- **EVM 101** Earned Value Mgt OR
- **RQM 110** – Requirements Mgt OR
- **CON 121/124/127** Contract Planning, Execution and Mgt OR
- **LOG 204** – Configuration Mgt OR
- **LOG 215** Technical Data Mgt

**Added New LOG 215 Option and BCF 102 Renumbered as EVM 101**

**Application/Case based**

**Level III Certification**
- **LOG 340** Life Cycle Product Support (R)
  - 4.5 days classroom
- **LOG 350** Enterprise Life Cycle Logistics Management (R)
  - 9.5 days classroom
- **CLL 005** Developing a Life Cycle Sustainment Plan (LCSP)
- **CLL 015** Product Support Business Case Analysis (BCA)
- **CLL 020** Independent Logistics Assessments

**Choice of:**
- **LOG 211** – Supportability Analysis OR
- **BCF 215** – O&S Cost Analysis OR
- **ACQ 265** – Services Acquisition OR
- **ACQ 315** – Understanding Industry (Business Acumen)

**ACQ 315 Title Updated**

**Case/Scenario based**

**1 Year Experience**

**2 Years Experience**

**4 Years Experience**
Executive PSM Course

Student Pilot April

August Seminar
Executive PSM Course

Who: Current & selected PSMs
What: 2-week LOG 365 Course
When: Quarterly starting in 2014
Where: Fort Belvoir campus
How: Keys to PSM & PM success
## What it is NOT

- **NOT** required for DAWIA certification
- **NOT** theory/concept/policy
- **NOT** lecture or scenarios
- **NOT** a large class size
- **NOT** tests or examinations
- **NOT** only one guest speaker
- **NOT** scheduled at multiple locations

## What LOG 365 is

- Level III Certification in Life-Cycle Logistics is a **pre-requisite**
- Focused on PSM’s **lessons learned**
- Facilitated **leadership challenges**
- Participants **build** skill enhancement and stakeholder engagement **plans**
- Maximum of **20-25 participants**
- Multiple **product support experts** from DoD & global defense industry
- Conduct at **Fort Belvoir** to leverage senior faculty, DoD & industry SMEs
Continuous Learning Center

• 337 Web-Based Continuous Learning (CL) Modules

• 52 Life Cycle Logistics CL Modules

• 1-6 Hours in Duration

• Covering a Range of Topics Spanning the System Life Cycle

http://www.dau.mil/CLC
CONTINUOUS LEARNING MODULES

• CLL 006 Depot Maintenance Partnering
• CLL 021 Product Support Arrangements (PSA)
• CLL 022 Depot Maintenance Statute Overview
• CLL 023 Title 10 USC 2464 Core Statute
• CLL 024 Title 10 Limitations on Performance of Depot Level Maintenance (50/50)
• CLL 025 Depot Maintenance Interservice Support Agreements
• CLL 026 Depot Maintenance Capacity Measurement
• CLL 027 Depot Source of Repair (DSOR) Determination (FUTURE)
• CLL 029 Condition Based Maintenance (CBM+)
• CLL 030 Reliability Centered Maintenance (RCM)

ACQUIPEDIA ARTICLES

• Maintenance Plan
• Depot Level Maintenance
• Depot Maintenance Inter-service Support Agreement (DMISA)
• Depot Maintenance Statute - 10 USC 2460
• Depot Maintenance Statute - 10 USC 2464
• Depot Maintenance Statute - 10 USC 2466
• Depot Maintenance Statute - 10 USC 2469
• Depot Maintenance Statute - 10 USC 2474
• Condition Based Maintenance Plus (CBM+)
• Reliability Centered Maintenance (RCM)
• Public-Private Partnerships (PPP)
Supply Chain Management

CONTINUOUS LEARNING MODULES

- CLL 002 DLA Support To the PM
- CLL 007 Lead-Free Electronics
- CLL 013 DoD Packaging
- CLL 017 Introduction to Defense Distribution
- CLL 018 Joint Deployment Distribution Ops Ctr
- CLL 032 Preventing Counterfeit Parts from Entering the DoD Supply System
- CLL 034 US Army SSN-LIN Automated Management & Integrating System (SLAMIS)
- CLL 037 DoD Supply Chain Mgmt. Fundamentals
- CLL 038 Provisioning & Cataloging
- CLL 045 Designing for Transportability
- CLL 062 Counterfeit Prevention Awareness
- CLM 200 Item Unique Identification (IUID)
- CLM 201 Serialized Item Management (SIM)

ACQUIPEDIA ARTICLES

- Supply Chain Management (SCM)
- Supply Classes
- Cataloging
- Primary Inventory Control Activity (PICA) and Secondary Inventory Control Activity (SICA)
- Counterfeit Parts
- RFID - Radio Frequency Identification
- RFID - Tagging Principles
- Item Unique Identification (IUID)
- Lead-Free Electronics
- Readiness Based Sparing (RBS)
Communities of Practice: Logistics (LOG CoP) & PBL (PBL CoP)

Shortcut Link:  https://acc.dau.mil/log

Shortcut Link:  https://acc.dau.mil/pbl

“Go to” Information Sources for Life Cycle Logistics, Product Support & PBL
Product Support Key References Site

Shortcut Link: https://acc.dau.mil/productsupport
Integrated Product Support (IPS) Elements Site

Shortcut Link: https://acc.dau.mil/ips
Life Cycle Logistics Professional Development Site

Shortcut Link: https://acc.dau.mil/logpd
ACQuipedia

- 385 Acquisition Articles
- 84 Life Cycle Logistics articles
- Extensive links by topic to policies, guidance, tools and training

https://dap.dau.mil/acquipedia/Pages/Default.aspx
Product Support Analytical Tools

- Repository profiles more than 400 government & commercial analytical tools used to facilitate product support decisions with emphasis on DoD system product support
- Includes decision support tools and data sources for product support modeling, simulation, management, analysis, assessment, evaluation, and logistics product data management
- For each tool, you’ll find a description, the processes the tool or data source supports, the Integrated Product Support Elements the tool or data source supports, Services that use the tool or data source, and ways to view additional information about each tool or data source
- Identifies tools available at no cost to DoD users

https://acc.dau.mil/psa-tools
Career Field Information

- DAU Classroom and Online Courses  [http://www.dau.mil/training](http://www.dau.mil/training)
- DAU Continuous Learning Courses  [http://icatalog.dau.mil](http://icatalog.dau.mil)
- DAU Logistics Community of Practice  [https://acc.dau.mil/log](https://acc.dau.mil/log)
- DAU Logistics Director’s Blog  [https://dap.dau.mil/career/log/blogs](https://dap.dau.mil/career/log/blogs)

DoD Product Support Management Workshop


Product Support References

- Defense Acquisition Guidebook  [https://dag.dau.mil](https://dag.dau.mil)
- Product Support References  [https://acc.dau.mil/productsupport](https://acc.dau.mil/productsupport)
- Product Support Manager Toolkit  [https://acc.dau.mil/psmtoolkit](https://acc.dau.mil/psmtoolkit)
- Performance-Based Logistics  [https://acc.dau.mil/pbl](https://acc.dau.mil/pbl)
- ACQuipedia  [https://dap.dau.mil/acquipedia](https://dap.dau.mil/acquipedia)
The Defense System Acquisition Workforce

✓ What is the Defense Acquisition Workforce?
✓ What is DoD Life-Cycle Logistics DAWIA certification?
✓ What are LCL Key Leadership Positions?
✓ How does DAU support Life-Cycle Logisticians?
✓ Where can you learn more about Life-Cycle Logistics?
The Defense System Acquisition Workforce

- How do I become a member of the DoD acquisition workforce?


- What system in the USAF is used to manage the acquisition workforce?

- Are there any LCL coded career broadening positions for DoD civilian logisticians?

- What is the Logistics Career Broadening Program (LCBP)?

- What is the ALEET program and how can I participate?
Life Cycle Logistics Workforce:

Ms. LaShanka Bennett
A4LX
20 Oct 2014
How to Become a Member of the AF LCL Workforce?
The AF Logistics Workforce is divided into four workforce categories as defined in 2008 DoD Logistics Human Capital Strategy (HCS):

- **SUPPLY MANAGEMENT**
  - Includes procurement to disposition of defense system material, and integration of multiple material sources and processes to meet war fighter requirements.

- **MAINTENANCE SUPPORT**
  - Includes planning and executing maintenance, both scheduled and unscheduled, to defense system equipment.

- **DEPLOYMENT/DISTRIBUTION/TRANSPORTATION**
  - Includes transportation, packaging, cargo scheduling, and dispatching of materials, support services, and personnel in response to customer requirements to move and sustain the force.

- **LIFE CYCLE LOGISTICS**
  - Includes planning, development, implementation, and management of a comprehensive, affordable, and effective systems support strategy.

Bottom line: Support the Warfighter!
Life Cycle Logistics Defined

- Life Cycle Logistics: (Formerly Acquisition Logistics)
  - Planning, development, implementation and management of a comprehensive, affordable and effective systems support strategy
  
  *Ref. DoD Logistics Human Capital Strategy, 1 June 08*

- Competencies:
  - Logistics Design Influence
  - Integrated Logistics Support Planning
  - Product Support & Sustainment
  - Configuration Management
  - Reliability & Maintainability Analysis
  - Technical/Product Data Management
  - Supportability Analysis
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<th>Position Category Acronym</th>
<th>Position Category Code</th>
<th>Acronym</th>
<th>Acquisition Function (APDP Position Category)</th>
<th>Officer AFSCs</th>
<th>Enlisted AFSCs</th>
<th>Civilian Occupational Series</th>
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<td>2XXXX</td>
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<tr>
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</tr>
</tbody>
</table>
Life Cycle Logistics is the only one of the four logistics workforce categories that constitutes the acquisition function coding.

In order for a position to be coded as LCL, two conditions must be met:

- 50% or more of the duties and responsibilities of the position must be "General Acquisition-Related Duties"
- General Acquisition-Related Duties include the conceptualization, initiation, design, development, test, contracting, production, deployment, logistical support, modification, and disposal of weapons and other systems, supplies, or services (including construction) to satisfy DoD needs, intended for use in, or in support of, military missions.
- A preponderance of those duties must be related to the LCL competencies.

"Positions" are coded - "People" are certified.
<table>
<thead>
<tr>
<th>Civilian Grade</th>
<th>Officer Grade</th>
<th>Enlisted Grade</th>
<th>Certification Level Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS 14 &amp; above</td>
<td>Lt Col and above</td>
<td>E-8 - E-9</td>
<td>III</td>
</tr>
<tr>
<td>GS-12 - GS-13</td>
<td>Capt - Maj</td>
<td>E-5 - E-7 **</td>
<td>II or III ***</td>
</tr>
<tr>
<td>GS-11 &amp; below</td>
<td>1Lt</td>
<td>E-4 and below</td>
<td>I or II (Enlisted I - Only)</td>
</tr>
</tbody>
</table>
LCL Position Coding by Rank and Cert Level
LCL Position Coding Criteria by Bases with >20 LCLs
How to Obtain DAWIA LCL Certification
**LCL Certification Tool**

**Functional Area Selection**

<table>
<thead>
<tr>
<th>Functional Area Selection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Functional Area</td>
</tr>
<tr>
<td>Certification Level</td>
</tr>
</tbody>
</table>

**Workforce Member Menu**

- Logon
- Profile
- Certification History
- Request Certification
- Request Status
- Resend Supervisor Email
- Logoff

**Help**

- Certification Requirements
- 24/12 Hours - What Counts?
- CAC Instructions
- FAQs

**Links**

- ACQ Now DAU
- ACQ Now CL
- Help Desk
- View your Record

**Certification History**

**Request Certification**

**Request Status**

**Certification Requirements**

**View Your Record (SURF)**

AF Portal-APDP Page

Director, Acquisition Career Management Corner

New USD(AT&L) policy requires all AF personnel assigned to acquisition-coded positions to take the Annual Values-Based Ethics course. Training must be completed by 15 Dec 14 and will be due each year after. To facilitate completion and tracking, we've worked with AFIT to host this training online. Register online; completed training will automatically update to members' continuous learning (CL) records. See the "Hot Topics" on the Career APDP page on the AF Portal in the Acquisition functional area for more information.

Speaking of continuous learning, there's a capability built into the CL tracker to help you manage events offered locally for acquisition professional development. ACQ Now for CL provides a user-friendly set of tools that enable training managers to manage on-line registration for local CL events, process applications, manage wait lists and walk-ins, maintain student rosters, and update student transcripts to reflect completed training. Currently, more than 2,300 different events are scheduled at

ADDITIONAL INFORMATION

HOT TOPICS

Annual Values-Based Ethics Course

The ACQ NOW for Continuous Learning site has opened registration for the new Annual Values-Based Ethics course. USD (AT&L) policy requires all Air Force personnel assigned to acquisition coded positions to take the course. Training must be completed by 15 December 2014 and will be due each year after.

Click here for the SAF/FAQ memo for more information.

Click here for the updated FAQ link for latest answers to frequently asked questions.

DAU Registration for FY15

Registration for DAU FY15 courses is open. With almost 150,000 acquisition workforce members in DoD, demand is always high.

ACQ Now DAU applications are ranked and stacked by priority, supervisor approval date, and class start date (students who need the training to achieve the
Product Support Manager (PSM)
AF PSM Requirements

- Assigned to all Major Weapon Systems
- Inherently Governmental Position
- Responsibilities specified in 10 USC 2337
- Designated as a Key Leadership Position (KLP) for ACAT I Programs
  - Assignment approved by Service Acquisition Executive
  - Membership in Acquisition Corps
  - Bachelor’s degree required
  - GS-14/O-5 or above
  - At least 8 Years in an acquisition-coded position
  - Level 3 DAWIA certification in LCL
  - Must sign tenure agreement
Life Cycle Logistician Career Development Roadmap

**SES**

- **Potential on- and off-ramps to other career fields**

**GS-15**

- **LCL Senior Leader**
  - (Center Senior Functional, Organizational Senior Functional, MAJCOM/HAF Staff)

**GS-14/15**

- **LCL Leader**
  - (PSM on ACAT II, HAF Staff)

**GS-14**

- **Grooming LCL: Entry into Senior Leadership**
  - (PSM on ACAT II, HAF Staff)

**GS-13**

- **Core LCL: Expert Practitioner; grooming for senior leadership**
  - (PSM on ACAT III, HAF/MAJCOM Staff)

**GS-12**

- **Journeyman: Gaining Depth and Breadth in LCL and/or Product Support**

**GS-7-11**

- **New Life Cycle Logistian: Entry Level / Intern**

**Executive Level Leader**

- • SES/GO Equivalent
- • Senior Leaders
- • Continued progression

**DAWIA Level III LCL**

- • Continued Career Progression
- • Competency Leads

**DAWIA Level III LCL**

- • Career Experience: 8 yrs LCL (2 yrs in Program Office)
- • Supervisory Experience: 2 yrs desired
- • Education: Bachelors (Masters desired)
- • 2nd DAWIA Certification desired

**DAWIA Level III LCL**

- • Career Experience: Minimum 4 years LCL
- • Education: Bachelors or higher desired
- • Broadening Across Acquisition & Logistics Domains

**DAWIA Level II or III LCL as Required**

- • Career Experience: Minimum 2 yrs LCL (4 yrs desired)
- • DAWIA Experience: Minimum 2 yrs
- • Education: Bachelors desired
- • Broadening across Integrated Product Support Elements
- • Pursue 2nd DAWIA Certification (Cross Certification desired)

**DAWIA Level I Life Cycle Logistics (LCL)**

- • Career Experience: Minimum 1 yr (4 yrs desired)
- • DAWIA Experience: Minimum 1 yr
- • Rotational Assignment, Working in/with 1 or more IPS Elements

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1 Some of these positions, such as PSM, require CAP and/or KLP

For enlisted personnel:
E-8 – E-9 (Level II or III required); E-5 – E-7 (Level II required); and E-4 and below (Level I required)
PSMs by Location

Kirtland (AFNWC)
- Major Systems: 2
- Number of PSMs: 2

Eglin
- Major Systems: 12
- Number of PSMs: 6

Wright-Patterson
- Major Systems: 46
- Number of PSMs: 20

Hanscom
- Major Systems: 25
- Number of PSMs: 11

Los Angeles
- Major Systems: 14
- Number of PSMs: 1

Tinker
- Major Systems: 8
- Number of PSMs: 6

Gunter
- Major Systems: 3
- Number of PSMs: 3

Robins
- Major Systems: 9
- Number of PSMs: 6

Peterson
- Major Systems: *
- Number of PSMs: 4

Hill
- Major Systems: 6
- Number of PSMs: 2

Los Angeles
- Major Systems: 14
- Number of PSMs: 1

Tinker
- Major Systems: 8
- Number of PSMs: 6

Gunter
- Major Systems: 3
- Number of PSMs: 3

Robins
- Major Systems: 9
- Number of PSMs: 6

* Major Systems supported are managed at Los Angeles Air Force Base
LCL Workforce Guidebook

Outcome
Provides LCLs and PSMs with a single document on career management guidance and a career development roadmap

Impact
- Identifies clear career progression for LCLs, from entry-level through senior leadership roles
- Will allow LCL community to retain best and brightest because we have identified growth opportunities in the LCL workforce, including post PSM senior leadership

Available on myPers
LCL Tuition Assistance

- Defense Acquisition Workforce Improvement Act (DAWIA) provides for 100% Tuition Assistance (TA) for civilian members of the acquisition workforce

- TA Application announcement provided by the Logistics Career Field Office (AFPC) in a list server email and on myPers

- Eligibility requirements:
  - Minimum grade of GS-11
  - Must be currently in/occupying a logistics series
  - One year of logistics experience in federal civilian service
  - The courses must be logistics related
Questions?
Intro to Life-Cycle Logistics Management

I) Logistics Across the System Life-Cycle

II) Design the System for Supportability

III) Sustainment (Product Support) Strategies

IV) Innovative Product Support Successes

V) Intersection of Operational Logistics and DoD Life Cycle Logistics

VI) Air Force Life Cycle Logistics Workforce