



## Back-to-Basics: One Year Later Life Cycle Logistics Functional Area

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# DoD LCL Workforce DAWIA Certification & Credentialing Framework

**KEY**

CERTIFICATION COURSE

DEPLOYED CREDENTIAL

FUTURE CREDENTIAL

EXECUTIVE TRAINING

**CORE LCL TRAINING**

**LCL Foundational Training (+2 yrs Experience)**

- ACQ 1010 Acquisition Management Fundamentals
- LOG 1000 Life Cycle Logistics Fundamentals
- LOG 104 Reliability, Availability and Maintainability (RAM)
- LOG 105 Fundamentals of System Sustainment Mgmt
- LOG 235 Performance-Based Logistics
- LOG 200+201 Product Support Strategy Development, Pt A+B



**LCL Advanced Training (+5 yrs Experience)**

- ACQ 2020 Intermediate Systems Acquisition (Part A)
- ACQ 2030 Intermediate Systems Acquisition (Part B)
- LOG 2060 Intermediate Systems Sustainment Management
- ACQ 315 Understanding Industry **OR** LOG 211 Supportability Analysis
- LOG 3400 Life Cycle Product Support
- LOG 3500 Enterprise Life Cycle Logistics Management

**NOTES**

- VILT versions of classroom courses are acceptable alternative
- Course numbers subject to change
- LOG 211-ACQ 315 option (1 Oct 22)
- As of 17 Jan 2023

**LOG 4650V Executive Product Support Manager's Course**

## Supported by 17 Integrated Product Support Element-Based, Competency-Aligned LCL Credentials

**CLCL 001 Product Support Mgmt Fundamentals (Product Support Management Element) (33 hrs)**

- LOG 0010 Life Cycle Product Support Management (3 hrs)
- LOG 0050 Life Cycle Sustainment Plan (LCSP) (3 hrs)
- LOG 0160 Independent Logistics Assessments (ILA) (1 hrs)
- LOG 0460 The Twelve IPS Elements (9 hrs)
- LOG 1000 Life Cycle Logistics Fundamentals (8 hrs)
- LOG 105 Fundamentals of Systems Sustainment (6 hrs)
- BFM 0050 Planning, Programming, Budgeting & Execution (PPBE) (3 hrs)

**CLCL 004 Maintenance Planning & Management (Maintenance Planning & Mgmt Element) (27 hrs)**

- LOG 0060 Public-Private Partnerships (2 hrs)
- LOG 0220 Depot Maintenance Statute Overview (1 hrs)
- LOG 0230 Title 10 USC 2464 Core Statute Implementation (2 hrs)
- LOG 0240 Title 10 2466 Limits on Depot Maintenance (50/50) (1 hrs)
- LOG 0250 Depot Maint. Interservice Support Agreements (3 hrs)
- LOG 0260 Depot Maintenance Capacity Measurement (3 hrs)
- LOG 0290 Condition Based Maintenance (CBM+) (2 hrs)
- LOG 0300 Reliability Centered Maintenance (RCM) (2 hrs)
- LOG 0570 Level of Repair Analysis (LORA) (3 hrs)
- CLM 038 Corrosion Prevention & Control Overview (8 hrs)

**CLCL 003A Supply Chain Integration (Supply Support Element) (28 hrs)**

- LOG 0020 DLA Support To the PM (2 hrs)
- LOG 0320 Preventing Counterfeit Parts in DoD Supply Chains (1 hr)
- LOG 0370 DoD Supply Chain Fundamentals (3 hrs)
- LOG 0380 Provisioning & Cataloging (5 hrs)
- LOG 0390 Additive Manufacturing Overview (3 hrs)
- LOG 0400 Additive Manufacturing Case Studies (2 hrs)
- LOG 0510 System Retirement, Disposition, Reclamation, Demil, Disposal (1 hr)
- LOG 0620 Counterfeit Prevention Awareness (2 hrs)
- LOG 0650 DMSMS Fundamentals (3 hrs)
- ACQ 0200 Item Unique Identification (IUID) (3 hrs)
- CLM 044 Radio Frequency Identification (RFID) (3 hrs)

**CLCL 009 Information Technology Life Cycle Support (IT Systems Continuous Support Element) (30 hrs)**

- LOG 0270 Software Life Cycle Management (4 hrs)
- CLE 074 Cybersecurity Across DoD Acquisition (3 hrs)
- CLE 076 Introduction to Agile Software Acquisition (5 hrs)
- CLE 080 SCRM Information & Communications Technology (3 hrs)
- CLE 081 Software Assurance (SwA) Awareness (3 hrs)
- CLE 083 IT Service Management (ITSM) (2 hrs)
- ISA 1011 Basic Information Systems Acquisition (10 hrs)

**CLCL 002 Integrated Product Support (Product Support Management Element) (32 hrs)**

- LOG 0010 Life Cycle Product Support Management (3 hrs)
- LOG 0030 Logistics Test & Evaluation (3 hrs)
- LOG 0050 Life Cycle Sustainment Plan (LCSP) (3 hrs)
- LOG 0110 Introduction to Performance Based Logistics (PBL) (3 hrs)
- LOG 0150 Product Support Business Case Analysis (2 hrs)
- LOG 0160 Independent Logistics Assessments (ILA) (1 hrs)
- LOG 0460 The Twelve IPS Elements (9 hrs)
- LOG 0600 Data Analytics Fundamentals for Product Support (TBD)
- PMT 0170 Risk Management (8 hrs)

**CLCL 005 Supportability & Design Interface (Design Interface Element) (36 hrs)**

- LOG 0080 Designing for Supportability (3 hrs)
- LOG 0120 Supportability Analysis Fundamentals (8 hrs)
- LOG 0300 Reliability Centered Maintenance (RCM) (2 hrs)
- LOG 0570 Level of Repair Analysis (LORA) (3 hrs)
- LOG 104 Reliability, Availability, Maintainability (RAM) (6 hrs)
- ENG 101 Fundamentals of Systems Engineering (14 hrs)

**CLCL 011 Product Support Affordability & Cost Fundamentals (Product Support Management Element) (16 hrs)**

- BFM 0020 Program Execution (2 hrs)
- BFM 0030 Budget Exhibits (2 hrs)
- BFM 0050 Planning, Programming, Budgeting & Execution (3 hrs)
- BFM 0370 Essentials of Defense Working Capital Funds (4 hrs)
- CLB 025 Total Ownership Cost (2 hrs)
- CLM 040 Proper Financial Accounting Treatments for Military Equipment (1 hr)
- LOG 0150 Product Support Business Case Analysis (BCA) (2 hrs)

**CLCL 010 Technical Data Management (Technical Data Management Element) (25 hrs)**

- LOG 0580 Standards, Specifications & Tech Publications (3 hrs)
- LOG 2040 Configuration Management (9 hrs)
- LOG 2150 Technical Data Management (5 hrs)
- CLM 071 Introduction to Data Management (1 hr)
- CLM 072 Data Management Strategy Development (2 hrs)
- CLM 076 Data Markings (2 hrs)
- CLM 077 Data Management Protection and Storage (3 hrs)

**CLCL 008 Product Support Arrangements (Product Support Management Element) (32 hrs)**

- LOG 0110 Introduction to Performance Based Logistics (3 hrs)
- LOG 0310 PBL Contracting Strategies (4 hrs)
- LOG 2350 Performance Based Logistics (PBL) (6 hrs)
- EVM 101 Earned Value Management (10 hrs)
- CLC 011 Contracting for the Rest of Us (2 hrs)
- CLC 013 Services Acquisition (2 hrs)
- CLC 135 Understanding Incentive & Other Contract Types (4 hrs)
- CLE 015 Continuous Process Improvement Familiarization (1 hrs)

**CLCL 006 Designing Supportable Systems (Design Interface Element) (30 hrs)**

- LOG 0070 Lead-Free Electronics (2 hrs)
- LOG 0330 Logistician's Responsibilities in Tech Reviews (4 hrs)
- LOG 0430 Green Logistics-Planning for Sustainability (4 hrs)
- LOG 0450 Designing for Transportability (4 hrs)
- LOG 0630 Introduction to Parts Management (1 hr)
- CLE 001 Value Engineering (2 hrs)
- CLE 003 Technical Reviews (3 hrs)
- CLE 019 Modular Open System Approach (3 hrs)
- CLE 026 Trade Studies (2 hrs)
- CLE 062 Human Systems Integration (2 hrs)
- CLE 301 Reliability and Maintainability (3 hrs)

**CLCL 014A Parts & Material Life Cycle Management (Sustaining Engineering Element) (36 hrs)**

- LOG 0320 Preventing Counterfeit Parts in DoD Supply Chains (1 hr)
- LOG 0380 Provisioning & Cataloging (5 hrs)
- LOG 0390 Additive Manufacturing (3 hrs)
- LOG 0400 Additive Manufacturing Case Studies (2 hrs)
- LOG 0470 Sustaining Engineering (4 hrs)
- LOG 0510 Sys. Retirement, Disposition, Reclamation, Demil, Disposal (2 hrs)
- LOG 0630 Introduction to Parts Management (2 hrs)
- LOG 0640 DMSMS: What PM Needs to Know (2 hrs)
- LOG 0650 DMSMS Fundamentals (3)/LOG 0660 DMSMS Executive Overview (1)
- LOG 0670 DMSMS Component Research (2 hrs)
- CON 0040 Market Research (3 hrs)
- CLE 019 Modular Open Systems Approach (4 hrs)
- CLE 026 Trade Studies (2 hrs)

**CLCL 012 Product Support O&S Cost Management (Product Support Management Element) (30 hrs)**

- BCF 216 Applied O&S Cost Analysis (26 hrs) (Classroom or VILT)
- CLB 040 Should Cost Management (4 hrs)

**CLCL 017 Supply Chain Resiliency (Supply Support Element) (24 hrs)**

- CLE 074 Cybersecurity Throughout DoD Acquisition (3 hrs)
- CLE 080 SCRM for Info & Communication Technology (3 hrs)
- LOG 0320 Preventing Counterfeit Parts from DoD Supply System (1 hr)
- LOG 0370 DoD Supply Chain Fundamentals (3 hrs)
- LOG 0620 Counterfeit Prevention Awareness (2 hrs)
- LOG 0650 DMSMS Fundamentals (3 hrs)
- LOG 0440 Supply Chain Resiliency Fundamentals (Future) (~4 hrs)
- ACQ 3200 Foreign Investment Risk & Natl Security (Future) (~5 hrs)

**CLCL 007 Product Support Analysis (Design Interface Element) (35 hrs)**

- LOG 211 Supportability Analysis (28 hrs) (Classroom or VILT)
- ENG 0860 Planning for R&M Engineering (7 hrs)

**CLCL 016 Digital Product Support (Sustaining Engineering Element) (18 hrs)**

- CLE 084 Models, Simulations, and Digital Engineering (5 hrs)
- ETM 1070 Digital Literacy Fundamentals (4 hrs)
- ENG 0900 R&M Engineering Interface with Product Support (Future) (~4 hrs)
- LOG 0590 Fundamentals of Digital Product Support (Future) (~5 hrs)

**CLCL 013 PHS&T (PHS&T Element) (22 hrs)**

- LOG 0020 DLA Support to the Program Manager (2 hrs)
- LOG 0130 DoD Packaging (3 hrs)
- LOG 0370 DoD Supply Chain Management Fundamentals (3 hrs)
- LOG 0450 Designing for Transportability (4 hrs)
- LOG 0140 Packaging of Hazardous Materials (4 hrs)
- LOG 0360 The DoD Shelf-Life Program (3 hrs)
- CLM 044 Radio Frequency Identification (RFID) (3 hrs)

**CLCL 015 Product Support Infrastructure (Facilities, Manpower, SE, Training Elements) (16 hrs)**

- LOG 0520 Facilities & Infrastructure (4 hrs)
- LOG 0530 Manpower & Personnel (Future) (~4 hrs)
- LOG 0540 Support Equipment (4 hrs)
- LOG 0550 Training & Training Support (4 hrs)

# Life Cycle Logistics Credentials

<https://www.dau.edu/training/pages/credentials.aspx>



Credential Number	Credential Title	Status
CLCL 001	Product Support Management Fundamentals	Available Now
CLCL 002	Integrated Product Support	Available Now
CLCL 003A	Supply Chain Integration	Available Now
CLCL 004	Maintenance Planning & Management	Available Now
CLCL 005	Supportability & Design Interface	Available Now
CLCL 006	Designing Supportable Systems	Available Now
CLCL 007	Product Support Analysis	Available Now
CLCL 008	Product Support Arrangements	Available Now
CLCL 009	Information Technology Life Cycle Support	Available Now
CLCL 010	Technical Data Management	Available Now
CLCL 011	Product Support Affordability & Cost Fundamentals	Available Now
CLCL 012	Product Support O&S Cost Management	Available Now
CLCL 013	Packaging, Handling, Storage & Transportation (PHS&T)	Available Now
CLCL 014A	Parts & Material Life Cycle Management	Available Now
CLCL 015	Product Support Infrastructure	Available Now
CLCL 016	Digital Product Support	In Development
CLCL 017	Supply Chain Resiliency	In Development
CLCL 018	Product Support Data Requirements	In Development

**15 of 18 Planned Interdisciplinary IPS Element-Based Credentials Now Available!**



# Credentials that Support Life Cycle Logistics Integrated Product Support Elements



LCL	
AVAILABLE	<ol style="list-style-type: none"> <li>1. <b>CLCL 001:</b> Product Support Management Fundamentals</li> <li>2. <b>CLCL 002:</b> Integrated Product Support</li> <li>3. <b>CLCL 003A:</b> Supply Chain Integration</li> <li>4. <b>CLCL 004:</b> Maintenance Planning &amp; Management</li> <li>5. <b>CLCL 005:</b> Supportability &amp; Design Interface</li> <li>6. <b>CLCL 006:</b> Designing Supportable Systems</li> <li>7. <b>CLCL 007:</b> Product Support Analysis</li> <li>8. <b>CLCL 008:</b> Product Support Arrangements</li> <li>9. <b>CLCL 009:</b> Information Technology Life Cycle Support</li> <li>10. <b>CLCL 010:</b> Technical Data Management</li> <li>11. <b>CLCL 011:</b> Product Support Affordability &amp; Cost Fundamentals</li> <li>12. <b>CLCL 012:</b> Product Support O&amp;S Cost Management</li> <li>13. <b>CLCL 013:</b> Packaging, Handling, Storage &amp; Transportation (PHS&amp;T)</li> <li>14. <b>CLCL 014:</b> Parts &amp; Material Life Cycle Management</li> <li>15. <b>CLCL 015:</b> Product Support Infrastructure</li> </ol>
	<b>CY23 – Q4</b> <ul style="list-style-type: none"> <li>• CLCL 016: Digital Product Support</li> <li>• CLCL 017: Supply Chain Resiliency</li> <li>• CLCL 018: Product Support Data Requirements</li> </ul>
	IN DEVELOPMENT

Credentials sorted by Integrated Product Support Elements

*Italics = Cross-functional*

**NOTE:** *IPS Elements are representative only and may not represent all possible options.*

## Packaging, Handling, Storage and Transportation (PHS&T)

- **CLCL 013** Packaging, Handling, Storage & Transportation

## Design Interface

- **CLCL 005** Supportability & Design Interface
- **CLCL 006** Designing Supportable Systems
- **CLCL 007** Product Support Analysis
- **CCYB 001** *Program Protection*
- **CCYB 002** *Cybersecurity for Program Managers*
- **CENG 001** *Digital Engineering for DoD Consumers*

## Maintenance Planning & Management

- **CLCL 004** Maintenance Planning & Management
- **CACQ 002** *Services Acquisition Team Member: Acquisition Professional Team Member*
- **CACQ 011** *Foundational Software Acquisition Management*

## Manpower & Personnel

- **CLCL 015** Product Support Infrastructure

## Facilities & Infrastructure

- **CLCL 015** Product Support Infrastructure

## Training & Training Support

- **CLCL 015** Product Support Infrastructure

## Support Equipment

- **CLCL 015** Product Support Infrastructure
- **CIND 001** *Industrial Contract Property Management*

## Product Support Management

- **CLCL 001** Product Support Management Fundamentals
- **CLCL 002** Integrated Product Support
- **CLCL 008** Product Support Arrangements
- **CLCL 011** Product Support Affordability & Cost Fundamentals
- **CLCL 012** Product Support O&S Cost Management
- **CLCL 018** Product Support Data Requirements
- **CACQ 002** *Services Acquisition Team Member: Acquisition Professional Team Members*
- **CACQ 004** *Introduction to Risk, Issue & Opportunity Management*
- **CACQ 013** *Functional Services Manager*
- **CENG 002** *Data Analytics for DoD Acquisition Managers*
- **CIND 001** *Industrial Contract Property Management*

## Supply Support

- **CLCL 003A** Supply Chain Integration
- **CLCL 017** Supply Chain Resiliency
- **CACQ 002** *Services Acquisition Team Member: Acquisition Professional Team Member*

## Sustaining Engineering

- **CLCL 014** Parts & Material Life Cycle Management
- **CLCL 016** Digital Product Support
- **CENG 002** *Data Analytics for DoD Acquisition Managers*

## Technical Data Management

- **CLCL 010** Technical Data Management
- **CLCL 018** Product Support Data Requirements
- **CACQ 008** *Foundational Intellectual Property (IP)*

## IT Systems Continuous Support

- **CLCL 009** Information Technology Life Cycle Support
- **CACQ 011** *Foundational Software Acquisition Management*
- **CCYB 002** *Cybersecurity for Program Managers*
- **CENG 004** *Agile DoD Team Member*

Updated: 3 January 2023

# Live Online Product Support Webinars

<https://www.dau.edu/events>

- **NAVSUP Weapon System Support “Secrets to Success” Quarterly Webinars**
  - Most Recent: NAVSUP WSS Secrets to Success: International Programs (Nov 8, 2022)
  - Next Up: NAVSUP WSS Secrets to Success: Navy Price Fighters (Feb 14, 2023)
- **DASD (Materiel Readiness) “DoD Sustainment” Quarterly Webinars**
  - Most Recent: DoD Sustainment Series: It’s the Law -Sustainment Statutory Framework (Aug 16, 2022)
  - Next Up: To be Announced
- **DASD (Product Support) “Mentoring Moments” Bi-Monthly Webinars**
  - Most Recent: Mentoring Moments: Let’s Get Ready for Civilian Development Education (Jan 18, 2023)
  - Next Up: Mentoring Moments: Ready, Aim, Apply for SES (Apr 12, 2023)
- **DAU “Logistics LIVE” Monthly Webinars**
  - Most Recent: Logistics LIVE! – Life Cycle Sustainment Plan: A New Outline (Nov 21, 2022)
  - Next Up: Logistics LIVE! – Back-to-Basics: One Year Later (Jan 23, 2023)
- **Product Support Delta Course**
  - Most Recent: New
  - Next Up: Product Support Delta Course: Lesson 1: Introduction & Overview of Major Changes (Mar 6, 2023)
- **DAU “Additive Manufacturing” Webinars**
  - Most Recent: Get the Facts: The Intellectual Property Legal Experts on Additive Manufacturing (Dec 8, 2021)
  - Next Up: To be Announced



DAU live virtual events are opportunities to engage directly with senior leaders, acquisition & sustainment experts, industry leaders & DAU faculty while earning CLPs

# DID YOU KNOW...



*A ten-lesson webinar series over ten months gets you up to speed on the big changes over the last few years in Product Support.  
Come to one or come to all lessons!*



[Event Series \(dau.edu\)](https://dau.edu)

**Monday, 6 March 2023**

2:00-3:30 PM Eastern Time

**Lesson 1: Intro and Overview of the Major Changes**

**Monday, 3 April 2023**

2:00-3:30 PM Eastern Time

**Lesson 2: Demystifying the Version 3 LCSP**