

# LOG 101

## Acquisition Logistics Fundamentals

**A**cquisition Logistics Fundamentals provides a broad overview of the role of acquisition logistics in the system acquisition life cycle and system engineering processes. Modules cover the logistics-relevant aspects of requirements identification, life cycle costing, integrated product and process development, sustainment logistics, supportability analysis, product support, contracting, and contractor support.

**Objectives:** Students who successfully complete this course will be able to:

- understand how today's defense systems and equipment are conceived, developed, tested, acquired, and operated;
- understand the role of the commercial sector;
- comprehend the philosophy and objectives of logistics support and attendant management functions; and
- understand logistics-related disciplines and the policies, procedures, and management techniques used to establish a logistics support capability.

**Target Audience:** Individuals recently assigned responsibility to plan, establish, and maintain the logistics support infrastructure for DoD systems and equipment in each phase of the acquisition life cycle.

**Prerequisite:** ACQ 101

**Recommended:** Students who take this course should have at least 6 to 12 months of experience in an acquisition organization.

**Length:** This is a non-Resident, self-paced course available through the Internet. Students must pass the final examination within 60 calendar days of the start date.

**Method of Delivery:** Distance Learning—See “Course Offerings” on page 10



**PDS Code:** JR1

# LOG 102

## Systems Sustainment Management Fundamentals

**S**ystems Sustainment Management Fundamentals provides a broad overview of the role of the life cycle logistician during the sustainment phase of a weapon systems life cycle. Modules cover logistics/supply-chain management concepts, maintenance processes, end-to-end distribution, best commercial practices as applied to weapon systems sustainment, performance metrics, partnering/alliance opportunities and experiences, performance-based support, enterprise business environment and opportunities, and reduction in life cycle/total ownership costs.

**Objectives:** Students who successfully complete this course will be able to:

- recognize the role of the life cycle logistician during the sustainment phase of a weapon system's life cycle;
- identify the concepts, policies, and practices of logistics/supply-chain management as they apply to new and legacy systems during the sustainment phase of their life cycle; and
- identify the best practices in developing and implementing performance-based support.

**Target Audience:** Individuals recently assigned the responsibility of establishing and maintaining the life cycle logistics support for defense systems and equipment during the sustainment phase of their life cycle. Personnel previously certified at Level I and above are also encouraged to take this course.

**Prerequisite:** ACQ 101

**Recommended:** Students who take this course should have at least 6 to 12 months of experience in an acquisition or sustainment organization.

**Length:** This is a non-Resident, self-paced course available through the Internet. Students must pass the final examination within 60 calendar days of the start date.

**Method of Delivery:** Distance Learning—See “Course Offerings” on page 10



**PDS Code:** JHF

# LOG 200

## Intermediate Acquisition Logistics, Part A

(Formerly LOG 201A Intermediate Acquisition Logistics, Part A)

**L**OG 200 is the first part in a two-course series on intermediate acquisition logistics. It provides a dynamic, real-time learning environment oriented toward developing the managerial and technical logistics competencies of the life cycle logistician. Special emphasis is placed on the roles and responsibilities of the life cycle logistician in the areas of regulatory environment, oversight, and review; management processes; technical activities; and the DoD Planning, Programming, Budgeting and Execution process. LOG 200 challenges the student to review current policy and guidance and demonstrate an understanding of how early integration of operational supportability into the system development process leads to achievement of DoD's strategic logistics goals.

**Objectives:** Students who successfully complete this course will be able to:

- understand the integrated defense acquisition, technology, and logistics life cycle management framework from pre-concept refinement through system development and demonstration;
- perform life cycle logistics functions, such as defining supportability objectives, evaluating product support capabilities, developing initial product support strategies, and completing a product support plan; and
- identify the key acquisition milestones and events that require direct life cycle logistician interface and the necessary deliverables that ensure that systems are designed for supportability.

**Target Audience:** LOG 200 is for military officers, O-3 and above; civilians, GS-9 and above; and industry equivalents who are Level I certified in Life Cycle Logistics. Students should have 2 to 4 years of acquisition and/or logistics experience.

**Prerequisites:** ACQ 201B, LOG 101, and LOG 102

**Recommended:** Students should have acquisition logistics experience and be currently assigned, or expected to be assigned, to a life cycle logistics position.

**Length:** This is a non-Resident, self-paced course available through the Internet. Students must pass the final examination within 60 calendar days of the start date.

**Method of Delivery:** Distance Learning—See “Course Offerings” on page 10



**PDS Code:** RGS

# LOG 201

## Intermediate Acquisition Logistics, Part B

(Formerly LOG 201B Intermediate Acquisition Logistics, Part B)

**I**ntermediate Acquisition Logistics, Part B, provides a dynamic, group-based and facilitated learning environment oriented toward further development of logistics competencies required by the life cycle logistician during weapons and equipment system development (introduced in LOG 200). It challenges the student to think critically, differentiate support alternatives, and provide solutions to ensure the early integration of operational supportability into the system development process. These skills are refined by instructor-facilitated student group exercise and discussion. Special emphasis is placed on developing and delivering the required logistics inputs that ensure supportability is designed into a system. The course is intended for the mid-level logistics professional needing the skills required to excel in today's demanding and dynamic product support environment.

**Objectives:** Students who successfully complete this course will be able to understand:

- the major interfaces and decision points in the integrated defense acquisition, technology, and logistics life cycle management framework;
- development and delivery of logistics and sustainment inputs required to ensure supportability is designed into DoD weapon systems; and
- the role of the life cycle logistician in system development.

**Target Audience:** LOG 201 is for military officers, O-3 and above; civilians, GS-9 and above; and industry equivalents who are Level I certified in Life Cycle Logistics. Students should have 2 to 4 years of acquisition and/or logistics experience.

**Prerequisite:** LOG 200

**Recommended:** Students should have life cycle logistics experience and be currently assigned, or expected to be assigned, to a life cycle logistics position.

**Length:** 5 class days

**Method of Delivery:** Resident/Local

**PDS Code:** JR3



# LOG 203

## Reliability and Maintainability

This course concentrates on reliability and maintainability (R&M) activities, enabling students to understand the relationship between R&M and acquisition logistics and to evaluate the impact of R&M decisions. Stressing a conceptual approach, the course presents basic R&M terminology and engineering practices.

**Objectives:** Students who successfully complete this course will be able to:

- explain why successful R&M activity decreases logistics costs and increases combat capability;
- develop operational and contractual R&M requirements;
- discuss well-established R&M design/analysis activities;
- explain reliability growth testing and reliability qualification testing; and
- explain how to preclude latent defects from entering service.

**Target Audience:** This course is intended for life cycle logisticians, systems engineers, reliability and maintainability engineers, program managers, and others involved in the development of systems and life cycle support.

**Prerequisite:** None

**Length:** This is a non-Resident, self-paced course available through the Internet. Students must pass the end-of-module and end-of-course tests within 60 calendar days of the start date.

**Method of Delivery:** Distance Learning—See “Course Offerings” on page 10



**PDS Code:** AKA

# LOG 204

## Configuration Management

This fast-paced, cross-disciplinary course provides the knowledge necessary to apply configuration management (CM). It includes the interrelationship of CM to such life cycle activities as systems engineering, data management, logistics support planning, and weapon systems sustainment. LOG 204 provides an overview of the concepts and basic practices of CM, including configuration identification, status accounting, audits and verification, configuration change management, performance measures, and CM planning. Requirements to design, develop, implement, oversee, and operate a CM program across the system life cycle are discussed. In addition to identifying government and commercial CM best practices, the course also addresses the application and impacts on CM by such current and emerging issues as Total Life Cycle Systems Management, product data management, unique item identification, evolutionary acquisition, performance-based logistics, condition-based maintenance, prognostics and health management, and diminishing manufacturing sources and material shortages.

**Objectives:** Students who successfully complete this course will be able to:

- incorporate CM concepts, principles, processes, and applications for managing configuration across the system life cycle into applicable on-the-job activities;
- apply CM planning and performance measures when engaged in system configuration management processes; and
- integrate the latest initiatives, guidance, and policies when analyzing the impact of current and emerging issues, policies, and support concepts on CM.

**Target Audience:** This course is intended for life cycle logisticians, systems engineers, configuration managers, program managers, and others involved in the development of systems and life cycle support.

**Prerequisite:** ACQ 101

**Recommended:** At least 2 to 4 years of experience in an acquisition or sustainment organization

**Length:** This is a non-Resident, self-paced course available through the Internet. Students must pass the final examination within 60 calendar days of the start date.

**Method of Delivery:** Distance Learning—See “Course Offerings” on page 10



**PDS Code:** QMB

# LOG 210

## Supportability Manager Tools

This course provides the knowledge necessary to identify and apply various supportability tools to meet logistics requirements throughout the system life cycle. LOG 210 provides hands-on familiarization in the use and application of select supportability tools in areas such as life cycle cost; maintenance concept optimization and level of repair analysis; logistics management information development, management and integration; program management documentation generation; sparing analysis; and post-fielding support analysis. Scenario-driven practical exercises are used to enhance tool understanding and analysis applications.

**Objectives:** Students who successfully complete this course will be able to:

- better comprehend the purpose of supportability tools and how they are applied throughout the system life cycle;
- comprehend and relate the overall use, capabilities, features, benefits, and key input/outputs of Joint Service supportability tools; and
- successfully apply the knowledge and understanding of supportability tools through the use of scenario-driven practical exercises.

**Target Audience:** This course is for logisticians and systems engineers involved in the development of weapons and equipment systems and their related life cycle support.

**Prerequisite:** None

**Recommended:** Students should have life cycle logistics experience and be currently assigned or expected to be assigned to a supportability manager position.

**Length:** 3 class days

**Method of Delivery:** Resident/Local

**PDS Code:** JHW



# LOG 235

## Performance Based Logistics, Part A

(Formerly LOG 235A Performance Based Logistics, Part A)

Performance Based Logistics, Part A, provides a dynamic, real-time learning environment oriented toward developing a range of logistics competencies. It challenges the student to review current policy and demonstrate an understanding of how early integration of performance-based support concepts into the system development process leads to achievement of DoD's logistics goals. It is intended for mid-level logistics professionals needing skills required to excel in today's demanding and dynamic product support environment.

**Objectives:** Students who successfully complete this course will be able to:

- more fully understand the knowledge areas of their job as members of the life cycle logistics workforce (concentrating on performance-based product support; business case analysis; continuous modernization; supply chain management; configuration management; enterprise integration; commercial integration; support options; and reliability, maintainability, and supportability);
- understand the specific relation and application of the functional areas in a performance-based logistics framework; and
- develop a more in-depth knowledge of their current applications within the DoD.

**Target Audience:** LOG 235 is for military officers, O-3 and above; civilians, GS-9 and above; and industry equivalents who are Level I certified in Life Cycle Logistics. Students should have 2 to 4 years of acquisition and/or logistics experience.

**Prerequisite:** None

**Recommended:** Students should have life cycle logistics experience and be currently assigned or expected to be assigned to a life cycle logistics position.

**Length:** This is a non-Resident, self-paced course available through the Internet. Students must pass the final examination within 60 calendar days of the start date.

**Method of Delivery:** Distance Learning—See "Course Offerings" on page 10; supplemental student readings and iterative knowledge assessments, which are integrated into the course, are required.



**PDS Code:** JHL



# LOG 236

## Performance Based Logistics, Part B

(Formerly LOG 235B Performance Based Logistics, Part B)

**P**erformance Based Logistics, Part B, provides a dynamic, group-based and facilitated learning environment where the student develops the logistics competencies introduced in LOG 235. The student will acquire tools and techniques required to design, develop, and implement performance-based support at the system, subsystem, or commodity level in new acquisition and legacy systems. It challenges the student to think critically and differentiate among support alternatives and provide solutions that ensure the early integration of performance-based product support in the system development process. These skills are refined by instructor-facilitated student group exercises and discussions.

**Objectives:** Students who successfully complete this course will be able to:

- apply skills introduced in the LOG 235 distance learning phase through case-based learning in a small group environment;
- perform proficiently as members of the life cycle logistics workforce;
- apply their knowledge of the concepts, policies, and practices of Performance Based Logistics (PBL);
- identify the relationship between logistics functions and processes;
- understand the basic concepts of business case analysis and its application in assessing and determining potential performance-based support alternatives;
- understand the role and integration of PBL in the logistics transformation environment; and
- successfully apply the knowledge and understanding in the context of a performance-based support strategy.

**Target Audience:** LOG 236 is for military officers, O-3 and above; civilians, GS-9 and above; and industry equivalents who are Level I certified in Life Cycle Logistics. Students should have 2 to 4 years of acquisition and/or logistics experience.

**Prerequisites:** LOG 201 and LOG 235

**Recommended:** Students should have life cycle logistics experience and be currently assigned or expected to be assigned to a life cycle logistics position.

**Length:** 5 class days

**Method of Delivery:** Resident/Local



**PDS Code:** RGY

# LOG 304

## Advanced Life Cycle Logistics Management

**A**dvanced Life Cycle Logistics Management prepares the acquisition and sustainment life cycle logistician to perform in advanced-level logistics management and policy-making positions. Students are required to conduct research and perform critical thinking in a small group decision-making environment. Students engage in dynamic, fast-paced case study exercises addressing complex relationships in life cycle logistics support planning, acquisition policy, capabilities analysis, program management, performance-based logistics, and business case analysis.

**Objectives:** Students who successfully complete this course will be able to:

- serve as proactive, credible, and influential life cycle logisticians;
- distinguish the life cycle logistician's functions during each phase of the life cycle;
- evaluate the components of and the life cycle logistician's role in the systems engineering process;
- analyze and integrate major acquisition and sustainment policy requirements from the advanced-level logistics perspective; and
- understand the integration of life cycle logistics processes with the operational tenets of Defense transformation.

**Target Audience:** This course is for Level II certified Life Cycle Logisticians who are military officers, O-4 and above; DoD civilians, GS-13 and above; and industry counterparts.

**Prerequisite:** LOG 236

**Length:** 9 class days preceded by approximately 8 to 16 hours of precourse work assigned by the instructor online and completed prior to class attendance (Based on this pre-course assignment, students will submit to the instructor and brief to the class an advanced-level, contemporary logistics topic during the resident course.)

**Method of Delivery:** Resident/Local



**PDS Code:** AH1