MERCURY

Defence Industry Management and Armaments Programmes Training Course

10 – 14 October 2027
Online



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Defence Industry Management and Armaments Programmes Training Course

Ref: 40_1082413 **Date:** 10 – 14 October 2027 **Location:** Online **Fees:** 2900 Euro

The Defence Industry Management and Armaments Programmes Training Course is a one-week course for defense project controllers, military procurement managers, and industrial offset specialists directing armaments acquisitions. Working with baseline controls, offset obligations, and supply chain standards, you develop an Armaments Acquisition and Industrial Governance Plan. Mercury Training Center delivers this course to help you enforce operational rigor across defense industrial contracts.

About This Course

Defense acquisition projects face severe budget overruns, uncoordinated offset commitments, and regulatory non-compliance when contractors fail to integrate earned value baselines with statutory industrial participation targets. To follow this course, you must already oversee defense contracts, procurement packages, or project controls. Through case reviews and operational simulations, you practice baselining projects and managing technology transfers.

Who It Is For

- Professionals responsible for managing military acquisition lifecycles, project baselines, and procurement agreements
- Professionals responsible for negotiating industrial participation agreements, local content targets, and technology transfers
- Professionals responsible for auditing defense contractor quality, manufacturing operations, and trade compliance
- Professionals responsible for coordinating through-life capability management, fleet maintenance logistics, and industrial security

This course is not for entry-level inventory clerks seeking warehouse administration classes, nor is it for frontline military combat personnel seeking tactical field training.

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Competencies You Will Build

- Acquisition Lifecycle Governance: Structuring defense acquisition phases and milestone reviews across the CADMID lifecycle framework.
- Earned Value Baselining: Implementing ANSI/EIA-748 and ISO 21508:2018 controls to evaluate project cost and schedule baselines.
- Industrial Offset Structuring: Aligning prime defense contracts with statutory industrial participation and technology transfer mandates.
- Quality Assurance Auditing: Applying NATO AQAP series standards to verify supplier manufacturing integrity and armaments reliability.
- Supply Chain Cyber Resilience: Evaluating supplier compliance against the Defence Cyber Certification Framework controls across industrial networks.
- Capability Logistics Integration: Establishing through-life capability management and maintenance support structures for operational defense assets.

What You Will Be Able to Do

By the end of the course you will be able to:

- From CADMID lifecycle phases, define decision gates and transition criteria from assessment through manufacture to disposal.
- Given contractor progress reports, evaluate cost and schedule variances using ANSI/EIA-748 and ISO 21508:2018 earned value methods.
- Using industrial participation policies, formulate technology transfer milestones and local content monitoring mechanisms for prime defense contracts.
- From NATO AQAP quality requirements, design an audit protocol to verify quality assurance across armaments manufacturing facilities.
- Given supply chain security assessments, determine required Defence Cyber Certification Framework control levels for tier-one subcontractors.
- Using defense industry regulatory frameworks, construct an Armaments Acquisition and Industrial Governance Plan to coordinate offset delivery and project controls.

Course Content

Day 1: Acquisition Lifecycles and Defense Governance

- CADMID Lifecycle Framework for Phased Defense Capability Acquisition
- PM² Methodology for Coordinating Public Sector Defense Project Management
- Statutory Licensing Scope and Establishment Permit Protocols for Defense Manufacturing
- Industrial Participation Policy Integration for Major Prime Defense Contracts
- Compliance Mechanisms for the Statutory Thirty-Day Foreign Order Notification Rule

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Day 2: Performance Measurement and Project Controls

- ANSI/EIA-748 Standard Application for Defense Earned Value Management Systems
- ISO 21508:2018 Principles for Project Performance Measurement Baselines
- Work Breakdown Structures and Cost Account Integration for Armaments Production
- Variance Analysis and Estimate at Completion Forecasting in Defense Project Controls
- Integrated Master Scheduling Tools for Multidisciplinary Armaments Delivery

Day 3: Quality Assurance and Cyber Resilience

- NATO AQAP Series Standards for Defense Quality Management Audits
- State Quality Assurance Verification Protocols for Armament Subcontractors
- Defence Cyber Certification Framework Assessment Across Tier-One Suppliers
- Mandatory Safety and Industrial Security Directives for Manufacturing Facilities
- Export Control Regimes and ITAR Compliance Verification in Technology Transfer

Day 4: Through-Life Support and Local Content

- Through-Life Capability Management Frameworks for Defense Fleet Readiness
- Integrated Logistics Support and Maintenance Repair Overhaul Localization Workflows
- Local Content Calculation Frameworks for Prime Contractor Offset Accounting
- Supplier Development Matrices for Qualifying Domestic Defense Vendors
- Contractual Remedy Drafting for Mitigating Industrial Offset Benchmark Deficits

Day 5: Operational Defense Program Baselining Practice

- Exercise on CADMID Milestone Reviews and Phase Transition Decision Gates
- Exercise on ANSI/EIA-748 Earned Value Variance Analysis and Schedule Recovery
- Exercise on Defence Cyber Certification Level Verification and Supplier Audit Checklists
- Exercise on Local Content Calculation and Industrial Participation Negotiation Scenarios
- Finalization of the Armaments Acquisition and Industrial Governance Plan

Case Studies and Exercises

These suggested activities provide practical application of defense management standards across varied operational settings:

- Case study: An armored vehicle acquisition where you evaluate manufacturing transition milestones against CADMID lifecycle gates and apply NATO AQAP quality audit criteria.
- Case study: A radar and defense electronics upgrade where you establish an ANSI/EIA-748 earned value baseline and calculate cost variances across prime subcontractors.
- Exercise: An aerospace overhaul agreement where you calculate local content ratios and structure technology transfer schedules to satisfy industrial participation rules.
- Exercise: A guided munitions assembly facility where you conduct a gap analysis against Defence Cyber Certification Framework controls to secure industrial supply chains.

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What You Take Back

The Armaments Acquisition and Industrial Governance Plan provides standardized control templates, offset tracking models, and quality audit criteria to direct defense project execution during your first month back at work. You will use it to monitor contractor baselines, enforce regulatory compliance, and track technology transfer progress.

- Earned value tracking templates based on ANSI/EIA-748 and ISO 21508:2018 baseline controls
- Defense contractor quality audit checklists aligned with NATO AQAP series standards
- Industrial participation and local content calculation worksheets for offset monitoring
- Supply chain cyber compliance assessment matrix mapped to Defence Cyber Certification levels

Quick Answers FAQ

What background is required before attending the Defence Industry Management and Armaments Programmes Training Course?

You need practical experience in defense acquisition, project controls, contract administration, or military procurement. Familiarity with project baselines, vendor contracts, or defense manufacturing processes ensures you can readily evaluate the acquisition standards and compliance exercises presented.

How does this course differ from general project management courses?

General project management courses cover generic scheduling and resource management across commercial industries. This course focuses specifically on defense acquisition governance, CADMID lifecycle phases, NATO AQAP quality assurance, Defence Cyber Certification compliance, and statutory industrial offset policies governing armaments delivery.

Why is earned value management vital in defence industry management and armaments programmes?

Earned value management standards such as ANSI/EIA-748 establish an objective performance measurement baseline across complex defense acquisitions. They enable project teams to detect cost variances early, predict realistic completion estimates, and maintain accountability across multi-year armaments contracts.

What work product do you take back from the Defence Industry Management and Armaments Programmes Training Course?

You take back the Armaments Acquisition and Industrial Governance Plan. It provides operational baselining models, earned value templates, offset tracking worksheets, and quality audit checklists to direct defense acquisitions and manage supplier compliance upon returning to work.

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For Your Manager

This course prepares your team member to manage complex armaments acquisitions, control contractor performance, and enforce industrial offset obligations. Returning with the Armaments Acquisition and Industrial Governance Plan, they will immediately apply ANSI/EIA-748 earned value controls, audit supplier quality against NATO AQAP standards, and track local content delivery on active defense procurement contracts.