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COURSE BROCHURE

Defence Acquisition and Capability Programme Course

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Registered in the United Kingdom and Saudi Arabia

Defence Acquisition and Capability Programme Course

Defence Acquisition and Capability Programme Course is a 1-week training course for programme managers, procurement specialists and engineering leads, who leave with an Integrated Defence Capability Acquisition Plan. Complex mission requirements and accelerated development cycles demand rigorous life-cycle governance that aligns technical maturity with operational readiness. Jupiter Prime Training delivers this Defence Acquisition and Capability Programme Course to establish rigorous control across procurement, production and long-term sustainment.

Why Defence Acquisition and Capability Programme Matters Now

Modern defence organisations face mounting pressure from rapidly shifting operational threats, stringent fiscal constraints and complex multinational supplier ecosystems. Disjointed acquisition decisions result in severe schedule slippages, cost inflation and critical capability gaps in frontline deployments, whereas disciplined governance secures interoperability and operational availability across decades of service. The course grounds capability development in recognised international standards, drawing upon DoDD 5000.01 and the Adaptive Acquisition Framework AAF under DoDI 5000.02, product support governance in DoDI 5000.91, quality management controls in AS9100 Revision D, manufacturing management standards in SAE AS6500 and risk assessment guidelines in ISO 31000:2018.

Who Gains Most from Defence Acquisition and Capability Programme

- Capability planners who translate military requirements into functional specifications and acquisition strategies
- Acquisition programme managers who coordinate milestone reviews, schedule baselines and cross-functional teams
- Procurement and industrial participation leads who structure supplier contracts and local industrialisation commitments
- Product support managers who design sustainment architecture, maintenance concepts and supply chain risk controls
- Quality and manufacturing engineering specialists who evaluate supplier readiness and production line maturity

Joint teams comprising a capability requirements sponsor, an acquisition programme manager and an industrial participation specialist gain the greatest benefit, as they align technical parameters and commercial structures collaboratively.

Defence Acquisition and Capability Programme Capabilities

Participants master the critical analytical methods and decision frameworks required to steer defence procurement pathways from initial concept through disposal.

- Assess capability gap statements against operational doctrine — operational requirements authorities
- Align weapon system procurement milestones with Adaptive Acquisition Framework pathways — programme executive sponsors
- Calculate life-cycle costs using parametric estimating and cost analysis models — investment review boards
- Weigh industrial participation commitments against supplier delivery risks — commercial and industrial strategy committees
- Build product support strategies integrating reliability and maintainability metrics — operational sustainment commands
- Specify quality and manufacturing maturity controls using standard maturity metrics — system engineering authorities

Key Defence Acquisition and Capability Programme Terms

- Adaptive Acquisition Framework — a modular defence acquisition structure offering tailored pathways based on system characteristics and operational urgency.
- Manufacturing Readiness Level — a standardised metric assessing the maturity of manufacturing processes and production capabilities during system development.
- Life Cycle Sustainment Plan — an operational document detailing the support strategy, maintenance concept and resource requirements across a system life cycle.
- Work Breakdown Structure — a hierarchical decomposition of total programme scope into manageable work packages for planning and performance control.
- Independent Cost Estimate — an objective life-cycle cost assessment prepared by an external authority to validate programme baseline budgets.
- Industrial Participation — contractual commitments requiring prime contractors to invest in domestic capability development, technology transfer and local manufacturing.

Defence Acquisition and Capability Programme Day by Day

Day 1: Strategic Capability Definition and Acquisition Pathways

- Capability Needs Identification — Defining Operational Deficiencies and Functional Requirements
- DoDD 5000.01 Principles — Establishing Defence Acquisition System Governance Structures
- Adaptive Acquisition Framework Pathways — Selecting Tailored Procurement Strategies for Systems
- Work Breakdown Structure Tailoring — Decomposing Major Defence Systems into Deliverables
- Maritime Patrol and Armoured Vehicle Case Studies — Comparing Acquisition Pathway Decisions

Day 2: Cost Analysis and Risk-Adjusted Decision-Making

- Cost Analysis Requirements Description — Standardising Life-Cycle Cost Data Inputs
- Program Office and Independent Estimates — Reconciling Baseline Cost Projection Variances
- ISO 31000:2018 Risk Guidelines — Prioritising Programmatic and Supply Chain Threats
- Technology Readiness Audits — Assessing Subsystem Maturity at Milestone Reviews
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Fixed-Price Versus Incentive Contracts — Balancing Financial and Technical Delivery Risks

Day 3: Industrial Participation and Supply Chain Quality

- Industrial Participation Structures — Integrating Local Value Creation into Prime Tenders
- Offset Credit Calculation Models — Evaluating Direct and Indirect Industrial Benefits
- AS9100 Revision D Quality Controls — Auditing Aerospace and Defence Supply Chains
- SAE AS6500 Program Standards — Implementing Manufacturing Management Across Subcontractors
- Dual-Use Component Sourcing — Managing International Trade Controls and Regulatory Restrictions

Day 4: Product Support and Life-Cycle Sustainment

- DoDI 5000.91 Governance — Structuring Product Support Strategy Across Operations
- Reliability, Availability and Maintainability Modelling — Establishing System Operational Baselines
- Life Cycle Sustainment Plan Architecture — Aligning Depot Maintenance and Spares Provisioning
- Supply Chain Risk Management — Mitigating Obsolescence and Single-Point-of-Failure Vulnerabilities
- Performance-Based Logistics Agreements — Contracting for Readiness Rather Than Consumables

Day 5: Practising the Integrated Acquisition Strategy

- Milestone Decision Review Simulation — Evaluating Evidence Against Acquisition Entry Criteria
- Sustainment Plan Integration — Incorporating Day 4 Product Support Strategies
- Industrial Policy Review — Aligning Day 3 Offset Criteria with Tender Objectives
- Cost Baseline Adjustment — Applying Day 2 Parametric Models to Programme Estimates
- Integrated Defence Capability Acquisition Plan — Assembling Life-Cycle Milestones and Risk Controls

Applying Defence Acquisition and Capability Programme After the Course

- Conduct a capability milestone audit on an active programme using Adaptive Acquisition Framework criteria and document required decision artefacts.
- Establish a cross-functional working group with procurement and engineering leads to draft an industrial participation compliance matrix for upcoming tenders.

Defence Acquisition and Capability Programme Questions FAQ

What is Defence Acquisition and Capability Programme, and why does it matter now?

It is the disciplined process of identifying, procuring, industrialising and sustaining defence capabilities throughout their operational life cycle. It matters now because escalating technological complexity and geopolitical uncertainty demand rapid procurement cycles combined with rigorous cost control, supply chain resilience and long-term fleet maintainability.

Which roles gain most from Defence Acquisition and Capability Programme training?

Mid-to-senior programme managers, defence capability planners, procurement officers and systems engineering leads gain most. Professionals overseeing military logistics, contract negotiations and domestic industrial participation also benefit significantly from the structured acquisition governance frameworks presented.

How does Defence Acquisition and Capability Programme training differ from general project management courses?

Generic project management courses focus on standard scheduling and budget tracking across commercial environments. This course specifically addresses military-unique frameworks, defence acquisition life-cycle milestones, statutory industrial participation requirements, technical maturity assessments and complex defence product support governance.

What do you bring back from Defence Acquisition and Capability Programme training?

You bring back an Integrated Defence Capability Acquisition Plan customised for your programme. It details operational capability requirements, selected acquisition pathways, milestone decision criteria, industrial participation commitments, life-cycle cost estimates and a complete product support strategy.

Defence Acquisition and Capability Programme: The Way Forward

The Integrated Defence Capability Acquisition Plan serves as the primary briefing artefact for senior investment committees deciding whether to advance a capability initiative past initial concept gates. Programme directors and functional leads use it to steer procurement schedules and enforce supplier milestones. After six months of execution, review the product support assumptions against actual operational telemetry.