ILS/IPS STRATEGY, SUPPORTABILITY & SUSTAINMENT MANAGEMENT



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GENTEX Training Center LLC | Orlando - FL, USA
Info@gentextraining.com

Introduction

ILS/IPS Strategy, Supportability & Sustainment Management examines how defence and industrial organizations design support systems that keep equipment available and affordable across decades of service. This Training Course covers Integrated Logistics Support and Integrated Product Support strategy, supportability analysis, and sustainment governance. Participants study MIL-STD-1388-2B, DEF STAN 00-600, ASD S-Series specifications such as S1000D and S3000L, Logistics Support Analysis, Reliability-Centred Maintenance, and Obsolescence Management guidance. Furthermore, the programme connects strategy to delivery through LSA labs, supportability case workshops, and sustainment modelling exercises. As a result, delegates leave able to build support strategies that protect availability and reduce through-life cost.

ILS/IPS Strategy, Supportability & Sustainment Management Course Objectives

- Define ILS and IPS and their relationship to acquisition strategy.
- Apply MIL-STD-1388-2B and DEF STAN 00-600 guidance.
- Conduct Logistics Support Analysis and supportability assessment.
- Apply ASD S-Series specifications including S1000D and S3000L.
- Design maintenance concepts and Reliability-Centred Maintenance programmes.
- Manage spares, provisioning, and supply support arrangements.
- Plan training, technical publications, and support equipment.
- Assess obsolescence risk and manage technology refresh.
- Build sustainment contracts and performance-based logistics models.
- Measure availability, reliability, and through-life cost.

Course Methodology

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- Interactive workshops using real support strategy and LSA files.
- Logistics Support Analysis and supportability case labs.
- Maintenance concept and RCM design exercises.
- Spares and provisioning modelling workshops.
- Obsolescence and technology refresh planning sessions.
- Action planning that converts each session into a workplace commitment.

Who Should Take This Course

- Integrated logistics support and IPS managers.
- Defence acquisition and supportability engineers.
- Reliability and maintainability engineers.
- Spares, provisioning, and supply support specialists.
- Sustainment contract and performance managers.
- Technical publications and training managers.
- Consultants advising on through-life support.

ILS/IPS Strategy, Supportability & Sustainment Management Course Outlines

Day 1: ILS/IPS Strategy Foundations

- Defining ILS, IPS, and sustainment management.
- Support as a design constraint, not an afterthought.
- Acquisition life cycles and support decision points.
- MIL-STD-1388-2B and DEF STAN 00-600 overview.
- The ASD S-Series specifications landscape.

- Governance roles: project, support, and industry.
- Building the ILS/IPS strategy framework.

Day 2: Supportability Analysis and LSA

- Logistics Support Analysis process and data.
- Maintenance task analysis and levels of repair.
- Reliability, availability, and maintainability analysis.
- Failure modes, effects, and criticality analysis (FMECA).
- Level of repair analysis (LORA) and cost drivers.
- Supportability case development.
- Documenting LSA outputs for acquisition decisions.

Day 3: Maintenance, Availability, and Reliability

- Maintenance concepts and policy design.
- Reliability-Centred Maintenance methodology.
- Condition monitoring and predictive maintenance.
- Preventive and corrective maintenance planning.
- Availability, reliability, and MTBF metrics.
- Performance-based logistics and availability contracting.
- Continuous improvement in maintenance practice.

Day 4: Supply Support, Spares, and Obsolescence

- Provisioning and spares range and depth determination.
- Repair cycle, rotables, and repairable management.
- Supply chain integration and inventory policy.

- Obsolescence risk identification and mitigation.
- Technology refresh planning and configuration control.
- Technical data and S1000D publication management.
- Support equipment, tools, and facilities planning.

Day 5: Sustainment Contracts, Cost, and Performance

- Sustainment contract models and incentive design.
- Contracting for availability and outcome-based support.
- Through-life cost modelling and cost of ownership.
- Support performance measurement and reporting.
- Risk management across the support life cycle.
- Contract review and re-negotiation triggers.
- Personal action plan and continuous improvement.

Conclusion

By successfully completing ILS/IPS Strategy, Supportability & Sustainment Management, participants will have acquired a practical command of support strategy, Logistics Support Analysis, maintenance and reliability design, spares management, and obsolescence control. They will know how to build supportability into acquisition decisions, structure sustainment contracts that hold suppliers to availability, and measure through-life cost honestly. In addition, the course prepares delegates to manage technology refresh and configuration change. As a result, they return to work ready to lead support and sustainment with structure and evidence. Gentex Training Center delivers this Training Course with a practical, standards-based approach.

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FAQs for the ILS/IPS Strategy, Supportability & Sustainment Management course

Q1 What is the "ILS/IPS Strategy, Supportability & Sustainment Management" course about?

It is a five-day programme that explains how support systems are designed so equipment stays available and affordable. It covers ILS and IPS strategy, Logistics Support Analysis, maintenance and reliability design, spares and supply support, obsolescence management, sustainment contracting, and through-life costing.

Q2 What are the key benefits of the "ILS/IPS Strategy, Supportability & Sustainment Management" course?

Participants gain the ability to influence design so support is built in rather than added later, conduct LSA that produces usable support data, and structure sustainment contracts that hold suppliers to availability outcomes. They also learn to control obsolescence and measure through-life cost credibly.

Q3 What skills will I gain from the "ILS/IPS Strategy, Supportability & Sustainment Management" course?

ILS and IPS strategy formulation with life cycle decision-point analysis, Logistics Support Analysis with supportability case development, maintenance and reliability design with RCM and performance-based logistics, and sustainment contracting with through-life cost modelling and obsolescence control.

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Q4 What tools, methods, or standards are covered in the "ILS/IPS Strategy, Supportability & Sustainment Management" course?

The course covers MIL-STD-1388-2B and DEF STAN 00-600 ILS guidance, the ASD S-Series specifications including S1000D and S3000L, acquisition life cycle and support decision-point analysis, ILS and IPS governance role design, Logistics Support Analysis process and data requirements, maintenance task analysis and levels of repair, reliability, availability and maintainability analysis, failure modes, effects and criticality analysis (FMECA), level of repair analysis (LORA), supportability case development, maintenance concept and policy design, Reliability-Centred Maintenance methodology, condition monitoring and predictive maintenance techniques, preventive and corrective maintenance planning, availability, reliability and MTBF metrics, performance-based logistics and availability contracting models, provisioning and spares range and depth determination, repair cycle and rotable management, supply chain integration and inventory policy, obsolescence risk identification and mitigation, technology refresh and configuration control, technical data and S1000D publication management, support equipment, tool and facility planning, sustainment contract model and incentive design, outcome-based support contracting, through-life cost and cost of ownership modelling, support performance measurement and reporting, and life cycle support risk management.

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Q5 How is the "ILS/IPS Strategy, Supportability & Sustainment Management" course applied in real-world practice?

Delegates apply it through support strategies, ILS plans, LSA records, supportability cases, maintenance concepts, RCM analyses, FMECA reports, LORA studies, spares provisioning lists, repair cycle procedures, obsolescence registers, technology refresh plans, technical publication structures, sustainment contracts, availability incentive schedules, through-life cost models, and support performance dashboards. They also use it to brief acquisition boards, support authorities, and industry partners on supportability decisions.