



Integrated Logistics Support (ILS) Course: LSA, LORA, S1000D Publications and PBL



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Introduction:

Integrated Logistics Support ILS with LSA, LORA, S1000D publications and PBL is a 5-day course for ILS managers, logistics support engineers and supportability analysts on new or upgraded equipment programmes, ending with an Integrated Logistics Support Plan. Programmes inherit high ownership cost when support is planned after the design is frozen, analysis records stay fragmented and support contracts are signed without measurable outcomes. Nominees already work on acquisition or engineering teams and build support models for a case rail, aviation or defence system. CoreConcept Training Center delivers this integrated logistics support course.

Course Objectives:

- Define supportability requirements and design interface rules for a new equipment programme across all ILS elements
- Plan and run S3000L logistic support analysis tasks, from candidate item selection to maintenance task records
- Apply SAE AS1390A level of repair analysis to decide repair or discard and maintenance level for each candidate item
- Prepare initial provisioning, support and test equipment, facilities and packaging, handling, storage and transport requirements from analysis outputs
- Specify S1000D technical publications and S6000T training needs from the same analysis data
- Structure performance-based logistics agreements and write an Integrated Logistics Support Plan with a supportability case

Target Audience:

- ILS and product support managers responsible for the support solution of a new or upgraded equipment programme
 - Logistics support engineers responsible for analysis records, maintenance task data and support resource requirements
 - Supportability and design engineers responsible for feeding maintainability and testability requirements into the design
 - Technical publications and training development leads responsible for manuals and courses derived from engineering data
 - Acquisition and commercial managers responsible for support clauses, deliverable data and outcome-based support agreements
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Course Outline:

Day 1: ILS Foundations, Elements and Programme Context

- SX000i Guidance on Integrated Product Support Governance
- ILS Elements Map From Design Interface to Facilities
- Supportability Influence Across Concept, Design and Production Phases
- Ownership Cost Drivers Fixed by Early Design Decisions
- ILS Maturity Review of a Current Equipment Programme

Day 2: S-Series Specifications and Logistic Support Analysis

- S3000L Candidate Item Selection and Analysis Scope Definition
- S3000L Maintenance Task Analysis and Resource Identification
- SX002D Common Data Model and Analysis Record Structure
- RAMT Requirements Allocation Into System Specifications
- S4000P and S5000F Interfaces With Analysis Records

Day 3: LORA, Provisioning and Support Resource Definition

- SAE AS1390A Non-Economic Screening Rules for Repair Options
- Economic LORA Cost Model for Repair Versus Discard
- S-Series Materiel Specification Initial Provisioning and Spares Lists
- Support and Test Equipment Requirements From Task Analysis
- Packaging, Handling, Storage and Transport Requirement Sheets

Day 4: Technical Publications, Training Needs and Outcome Contracts

- S1000D Data Modules and Common Source Database Planning
- S1000D Interactive Electronic Technical Publication Delivery Choices
- S6000T Training Needs Analysis From Task Records
- PBL Outcome Metrics, Payment Links and Data Access Clauses
- Product Support Integrator Roles and Support Contract Risks

Day 5: Modelling Build and the Integrated Logistics Support Plan

- Case System Candidate Item List and Task Records
 - Case LORA Model With Repair Level Recommendations
 - Case Provisioning, Publications and Training Requirement Set
 - Case PBL Metric Set and Supportability Case Evidence
 - Integrated Logistics Support Plan Completion and Panel Review
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Skills You Will Gain:

- Supportability Requirements Definition
- Logistic Support Analysis Records
- Repair Level Economics
- Initial Provisioning Planning
- Support Equipment Specification
- Technical Publication Planning
- Training Needs Derivation
- Outcome-Based Support Contracting

Why Attend This Course:

- Deliver an Integrated Logistics Support Plan with a supportability case to the programme manager and the design review board
- Decide which items are repaired, discarded or held as spares, and at which maintenance level, on documented cost evidence
- Avoid late support redesign, unusable manuals and spares shortfalls at entry into service caused by analysis done after design freeze
- Brief design, publications, training and contracts colleagues on the analysis data each of them needs to produce

Conclusion:

Back at work, the participant presents the Integrated Logistics Support Plan to the programme manager, the chief engineer and the design review board. They use it to approve supportability requirements, the analysis scope, repair level recommendations, provisioning and publications deliverables and the outcome metrics for any support contract. After the first design review or provisioning conference under the plan, the programme should compare open analysis records, data deliverables and predicted support costs with the plan and revise the elements that fell behind.

Frequently Asked Questions FAQ:

What should participants know before an Integrated Logistics Support ILS course on LSA, LORA, S1000D and PBL?

Participants should already work on an acquisition, engineering or support team and read system breakdowns and maintenance data. A simple equipment structure or parts list from their own programme, anonymised, makes the modelling build more useful.

How does an Integrated Logistics Support ILS course differ from a fleet maintenance management course?

This course designs and contracts the support system while equipment is still being specified and built: analysis records, repair level choices, provisioning data, manuals, training and support agreements. Fleet maintenance courses manage repair work, workshops and availability once equipment is already in service.

Why does Integrated Logistics Support ILS start during design rather than at delivery?

Most ownership cost is fixed by design choices on maintainability, testability and repair level. Starting logistic support analysis early lets these choices be changed cheaply, and gives provisioning, publications and training teams their data before entry into service.

What do participants take back from the Integrated Logistics Support ILS course on LSA, LORA, S1000D and PBL?

Participants take back an Integrated Logistics Support Plan with a supportability case for a case system: candidate item list, task records, a LORA model, provisioning, publications and training requirements, and a PBL metric set.
