LOGISTICS SUPPORT ANALYSIS RECORD AND LOGISTICS PRODUCT DATA: MIL-STD-1388-2B, GEIA-STD-0007, AND S1000D



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Info@gentextraining.com

Introduction

Defence and aerospace programmes live or die on supportability. An aircraft that cannot be maintained, or a vehicle fleet with no spares data, becomes a cost problem the moment it enters service. Logistics Support Analysis captures that data early, in defined structures, so spares, manuals, and maintenance tasks exist before the first failure. This Logistics Support Analysis Record and Logistics Product Data Training Course gives logistics engineers, ILS specialists, and data managers a complete working method for this discipline. Participants learn MIL-STD-1388-2B data structures, the transition to GEIA-STD-0007, S1000D technical publications, and the data exchange that connects them.

Logistics Support Analysis Record and Logistics Product Data Course Objectives

- Apply Logistics Support Analysis (LSA) principles across a programme lifecycle.
- Interpret MIL-STD-1388-2B data structures and record relationships.
- Migrate legacy LSAR data into GEIA-STD-0007 product data structures.
- Build and validate logistics product data elements and their dependencies.
- Apply S1000D modular documentation, data modules, and common source database rules.
- Define breakdown structure, LCN, and item relationships correctly.
- Apply reliability, maintainability, and supportability analysis outputs.
- Prepare data for provisioning, spares, and maintenance task selection.
- Manage data quality, configuration control, and traceability.
- Support data exchange between contractors, platforms, and government systems.

Course Methodology

- Facilitated sessions built on real LSA records, data modules, and specification extracts.

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- Workshops mapping legacy MIL-STD-1388-2B records to GEIA-STD-0007 entities.
- Data module development and S1000D schema exercises.
- Breakdown structure and LCN coding practice sessions.
- Group exercise on a logistics product data package with validation checks.

Who Should Take This Course

- Integrated logistics support (ILS) engineers and analysts.
- LSA and LSAR data managers.
- Technical publication authors and S1000D specialists.
- Reliability and maintainability engineers.
- Configuration and data management officers.
- Defence programme and contractor support staff.

Logistics Support Analysis Record and Logistics Product Data Course Outlines

Day 1: LSA Fundamentals and Programme Context

- Logistics Support Analysis purpose and position in ILS.
- LSA during design, development, production, and in-service phases.
- Supportability analysis inputs and outputs.
- Reliability, maintainability, and availability basics.
- Maintenance task analysis and level of repair analysis.
- Government and contractor responsibilities in LSA.
- Data deliverables and contract requirements.

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Day 2: MIL-STD-1388-2B Structures

- The LSAR purpose and its historical role.
- Record types and their relationships.
- Breakdown structure and LCN assignment.
- Provisioning, spares, and repair parts records.
- Maintenance allocation and task records.
- Support and test equipment data.
- Common errors in legacy LSAR data and their consequences.

Day 3: GEIA-STD-0007 Logistics Product Data

- Purpose and scope of GEIA-STD-0007.
- Entity structure and data element relationships.
- Mapping MIL-STD-1388-2B records to GEIA-STD-0007 entities.
- Logistics product data element definitions and requirements.
- Data validation rules and consistency checks.
- Provisioning and supply support data outputs.
- Migration and legacy data conversion practice.

Day 4: S1000D Interactive Technical Publications

- S1000D principles and the common source database concept.
- Data modules: types, codes, and identification.
- Information sets, publication modules, and applicability.
- XML schema, DTD, and business rules.
- Data module coding, metadata, and status.

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- Interactive electronic technical publications and delivery.
- Integration between S1000D publications and logistics data.

Day 5: Data Quality, Exchange, and Governance

- Configuration control and data change management.
- Data quality dimensions and validation criteria.
- Traceability from requirements to delivered data.
- Data exchange formats and interoperability between systems.
- Contracting for logistics data and acceptance criteria.
- Auditing a logistics data package before delivery.
- Building a data governance and quality improvement plan.

Conclusion

By successfully completing the Logistics Support Analysis Record and Logistics Product Data Training Course, participants will have acquired a thorough working knowledge of Logistics Support Analysis principles, MIL-STD-1388-2B record structures, GEIA-STD-0007 logistics product data entities, S1000D data module and common source database practice, breakdown structure and LCN coding, data validation, and configuration control. They will leave able to build, migrate, and validate logistics data packages that support provisioning, maintenance, and technical publications with traceable evidence. Gentex Training Center delivers this programme with ILS and data management practitioners working on live defence programmes.

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FAQs for the Logistics Support Analysis Record and Logistics Product Data course

Q1 What is the "Logistics Support Analysis Record and Logistics Product Data" course about?

It is a five-day programme on building and managing the logistics data that keeps equipment supportable. It covers LSA principles, MIL-STD-1388-2B record structures, GEIA-STD-0007 logistics product data, S1000D data modules, breakdown structure coding, data validation, and configuration control.

Q2 What are the key benefits of the "Logistics Support Analysis Record and Logistics Product Data" course?

Participants produce logistics data packages that pass acceptance review instead of generating repeat findings, migrate legacy LSAR data without losing dependencies, and align technical publications with logistics records through consistent coding. They also trace every delivered data element back to a requirement.

Q3 What skills will I gain from the "Logistics Support Analysis Record and Logistics Product Data" course?

You will gain Logistics Support Analysis and supportability data development, MIL-STD-1388-2B and GEIA-STD-0007 data structure application, S1000D data module authoring and common source database management, and logistics data validation, configuration control, and traceability.

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Q4 What tools, methods, or standards are covered in the "Logistics Support Analysis Record and Logistics Product Data" course?

The course works with Logistics Support Analysis across design, development, production and in-service phases, maintenance task analysis and level of repair analysis, reliability, maintainability and availability analysis, MIL-STD-1388-2B record types, breakdown structure and LCN assignment, provisioning and repair parts records, maintenance allocation records, support and test equipment data, the GEIA-STD-0007 entity structure and data element definitions, legacy data mapping and migration, data validation rules and consistency checks, the S1000D common source database, data modules with their types, codes and identification, information sets and publication modules, XML schema, DTD and business rules, data module metadata and status codes, interactive electronic technical publications, configuration control and data change management, data exchange formats and interoperability, and the data quality dimensions used in acceptance review.

Q5 How is the "Logistics Support Analysis Record and Logistics Product Data" course applied in real-world practice?

Teams apply it when building an LSA record for a new platform, migrating legacy MIL-STD-1388-2B data into GEIA-STD-0007 structures, authoring S1000D data modules for a maintenance procedure, validating a provisioning data package before delivery, and responding to an acceptance review finding on data traceability.