

# **Arbortext for S1000D and S2000M Curriculum Guide**

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## Live Classroom Curriculum Guide

- S1000D Specification Training
  - S2000M Specification . Chapter 1
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## S1000D Specification Training

Course Code	TRN-A2358
Course Length	2 days

### Overview

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Intended for users familiar with producing technical publications but who are new to the S1000D specification, this course provides a pragmatic overview of the Aerospace and Defense S1000D concepts. In this course, you will learn about the specification requirements from a technology standpoint, better understand its implications as a contractual requirement and as a guideline for technical product information delivery for A&D. You will also learn about potential impacts on systems and methods and looks at associated standards such as the Def Stan 00-60/Mil Std 13882B and the S2000M for electronic documentation requirements.

After completion of this course, you will have a clear understanding of what is expected by the standard in terms of the data production, business processes, business rules and delivery of information using the S1000D standard.

### Prerequisites

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- Some knowledge of Technical Publications processes
- Familiar with the concepts of XML/SGML

### Audience

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This course is designed for the project manager, integrated project team (IPT) lead, government contractor, technical publications manager, business analyst, technical writer and/or senior consultant who must investigate, justify and ultimately support an S1000D environment, whether as a supplier or consumer of A&D equipment.

### Topics

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- Introduction and Background to Aerospace & Defense Specification S1000D
  - Benefits of S1000D
  - S1000D Concepts
    - Data Modules
    - Data Module Codes
    - Illustration control numbers
    - Common Source Data Base
    - Electronic Technical Manuals/Publications
    - Functionality matrices - Class 4, Class 5
  - Data Module Management
    - Identification and Status
    - Content
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- Project business rules
    - Defining business rules
    - Things to consider
    - Lessons learned
  - Tailoring your project
    - SNS customization
    - Information codes
    - ICN formats
  - S1000D workflow processes
    - QA processes
    - Verification of Data
    - Data Interchange with partners and customers
  - Other integrated logistic systems considerations
    - Logistic Support Analysis Record Data
    - Provisioning data
    - Performance-based logistics contracts
  - What's new in S1000D
    - S1000D Issue 3 and 4 overview
    - SCORM 2004 and training integration
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# S2000M Specification – Chapter 1

<b>Course Code</b>	TRN-2211-T
<b>Course Length</b>	2 Days

## Overview

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A course designed specifically for those who are new to the application of AECMA Specification 2000M. The course provides a comprehensive overview of the specification, including the roles and responsibilities of both Customers and Contractors, the provisioning process and EDI data communications. The role of 2000M within Def-Stan 00-60 is also addressed.

After completion of this course the delegates will have a good understanding of the commitments made by both Customers and Contractors when using the Standard, alongside the knowledge required implementing the Standard in the "real world".

## Prerequisites

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This course does not require delegates to be familiar with any specific software; however you need to be familiar with PCs and the Windows environment.

## Topics

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- **AECMA 2000M Overview**
    - Status of the Standard
    - Scope & Structure
      - Initial Provisioning
      - Procurement Planning
      - Order Administration
      - Invoicing
      - Repair Administration
    - Impact when implementing
  - **Electronic Data Interchange**
    - What is EDI?
    - Message Protocols
    - Communications
    - Controls
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- **The Provisioning Process**
    - Process Overview
      - Preparation for Guidance Conference
      - Guidance Conference
      - The IP Programme
      - Preparation for Pre Assessment Meeting
      - Pre Assessment Meeting (PAM)
      - Actions after PAM
      - Updating Procedure
    - IP Data Structure
    - Provisioning Deliverables
    - IPL Prints
    - Illustrations
    - Illustrated Parts Catalogue
  
  - **AECMA 2000M within Def Stan 00-60**
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# LSA Specification – Overview and Guidance

<b>Course Code</b>	TRN-2213-T
<b>Course Length</b>	3 Days

## Overview

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A course aimed primarily at those who are new to the LSA process and/or specification and require practical guidance on the implementation. The course provides a detailed presentation of the ILS and LSA processes, including the update procedures, reviewing and commenting on received data, structure and format of data transfer and an explanation of the data fields and values. The relationship and interface of LSA with other ILS disciplines namely Integrated Supply Support and Electronic Documentation is discussed in detail. As an aid to understanding worked examples are produced utilising the LBS iLog application.

After completion of this course the delegates will have a detailed knowledge of the practical considerations required when implementing LSA and the integration with many of the disciplines used in ILS.

## Prerequisites

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This course does not require delegates to be familiar with any specific software or Standard.

## Topics

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- **Overview of ILS**
    - What is ILS
    - Basic ILS process
    - ILS Standards
  - **Overview of LSA**
    - What is LSA
    - LSA Task Group
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- **Introduction to the LSAR**
    - Purpose of the LSAR
  - **Overview of Electronic Documentation**
  - **Overview of Supply Support**
  - **ILS and LSA Tailoring**
  - **Basic LSA Process**
  - **LSA Tasks**
    - Task Relationships
    - Task Responsibilities
  - **LSAR**
    - What is an LSAR
    - Overview of Def Stan 00-60 LSAR
    - Key Fields
    - Table Relationship
    - Data Element Definitions
  - **LCN Assignment**
  - **Mapping LSA to Tech Pubs & IP**
  - **Lessons Learned**
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# Arbortext Provisioning Manager

<b>Course Code</b>	TRN-2212-T
<b>Course Length</b>	2 Days

## Overview

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An essential course for new users or returning users of the ASPECT.cs product. The training covers all elements of ASPECT.cs for production of AECMA 2000M compliant data and messages.

After completion of this course the delegates will be able to operate the software in a consistent and efficient manor. A good understanding of reasons behind the IP process will be gained, alongside the knowledge required to operate in the "real world".

## Prerequisites

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This course is designed for Provisioners who are familiar with AECMA 2000M and DEF Stan 00-60. The course is a combination of Instructor Led and Hands-on training.

## Topics

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- **Creation of New Projects**
  - Initial Administration
  - Users
  - Roles
  - Project set up
    - Project Identification
    - Addressee
    - Service
    - Category of Change (CAN)
    - Project Defaults

- **Compilation of Location and Parts data**
    - Part Identification
    - Supply Data
    - Pricing
    - M & R
    - Packaging
    - Where Used
  
  - **Creation of AECMA Messages**
    - Message Types
    - Validation of Messages
    - Reviewing a Message
    - Creating an AECMA 2000M EDI Message
    - Message Parameters
    - Extracting an EDI Message
  
  - **Management of Observation Process**
    - Receiving Observations (OBSINF) messages
    - Viewing the received messages
    - Allocate User Responsibility
    - Viewing the Observations
  
  - **On Line Facilities**
    - On Line Validation
    - Reports
  
  - **Administration of application**
  
  - **Creation of Codification requests**
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# EAGLE Application Training

<b>Course Code</b>	TRN-2214-T
<b>Course Length</b>	3 Days

## Overview

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A course designed for new or returning users of the EAGLE LSAR product. The training covers elements of the operation of EAGLE LSAR as undertaken by a standard user in a day-to-day working environment.

After completion of this course the delegates will be able to operate the software in a consistent and efficient manor. A good understanding of reasons behind the LSAR process will be gained, alongside the knowledge required to operate in the "real world".

## Prerequisites

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This course is designed for LSAR Practitioners familiar with DEF Stan 00-60 Part 0. The course is a combination of Instructor Led and Hands-on.

## Topics

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- **Overview of 00-60 & iLog**
    - Objectives of 00-60
    - Components of iLog
  - **Eagle Basics**
    - Security, setting up users & log on
    - Standard navigation
  - **LCN Assignment**
    - Establishing a new project
    - Assigning LCNs
    - UOC assignment & mapping
    - Physical to Functional Mapping
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- **Customer Requirements**
    - R & M requirements
    - GFI data
  
  - **Reliability, FMECA & RCM**
  
  - **Task Analysis**
    - Viewing and creating tasks
    - Creating sub tasks
    - Task description
    - Allocation of support resources
    - Transferring a task to Acquired
  
  - **Support Resources**
    - Parts data
    - Creating STE and data
    - Creating facilities and data
    - Creating skills and data
    - Introduction to Unit Under Test
  
  - **Ad Hoc Queries**
    - Creating ad hoc queries.
    - Updating data using ad hoc queries
    - Introduction to SQL
  
  - **Administration, Import & Export of Data**
    - Introduce standard full file import & export
    - Standard output reports
  
  - **Miscellaneous Features**
    - Commenting on data
    - Introduction to depot management
    - Introduction to engineering failure system
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# EAGLE Advanced User Training

<b>Course Code</b>	TRN-2215-T
<b>Course Length</b>	1 Day

## Overview

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An essential course for anyone required to administer the EAGLE LSAR product and manage the installations at a higher level than the standard users. The training covers administrative and advanced features of EAGLE LSAR.

After completion of this course the delegates will be able to operate and maintain the software at a high level, alongside the knowledge required to administer the application in the "real world".

## Prerequisites

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This course is designed for LSAR Practitioners who are existing EAGLE Users and have a good knowledge of DEF Stan 00-60 Part 0.

The course is a combination of Instructor Led and Hands-on.

## Topics

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- **iLog Security**
    - Database Administrator
    - Security Administrator
    - Superuser
    - Authorized users
  - **Setting Up Integrated Projects**
    - Link Project IDs
    - Link EI & SUOC
    - Set Integration Flags
    - Miscellaneous Links
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- **Eagle Administration**
    - System Defaults
    - User Defaults
    - Setting Program Required Fields
    - Tracking Changes
    - Eagle System Tables
    - Modify Drop Down Lists
    - Running Update Scripts
  
  - **Ad Hoc Queries**
    - Simple Query
    - From Multiple Tables
    - Joining Tables
    - Analysing Data
    - Entering SQL
    - Advanced Queries
  
  - **Export/Import**
    - Importing/Exporting LSAR Data
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# S1000D Production from the LSAR

<b>Course Code</b>	TRN-2216-T
<b>Course Length</b>	1 Day

## Overview

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A course designed specifically for those who are new to the process of creating Data Modules in the Logistics Support Analysis Record (LSAR) application (EAGLE) for incorporation into the Arbortext CSDB for S1000D application. The course provides a detailed presentation and practical demonstration of the process.

After completion of this course the delegates will have a good practical knowledge of how to efficiently create data in the LSAR that will be used in the CSDB.

## Prerequisites

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It would be advantageous that delegates attending this course have had some familiarity with the LSAR (EAGLE) and the Arbortext CSDB for S1000D.

## Topics

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- Structure of Procedural Data Modules
  - Review of ILog Links
  - Basic Procedural Data Module Production
  - Allocation of Support Recourses
  - Multiple Step Narratives
  - Warnings, Cautions and Notes
  - Close Up
  - Close Up References
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- Required Conditions
- Reference Data Modules in Narratives

## Arbortext CSDB for S1000D (author)

<b>Course Code</b>	TRN-2356B-T
<b>Course Length</b>	1 Day

### Overview

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A course designed for those who are new to Arbortext CSDB for S1000D or ideal as a refresher course the training covers all aspects of using the product in conjunction with the Arbortext Editor to produce the physical content of CSDB in compliance with ASD S1000D.

After completion of this course the delegates will have an in depth knowledge of the application and all the skills required to efficiently produce and maintain a technical information within a CSDB in the "real world".

### Prerequisites

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This course is designed for technical authors and editors who are familiar with the ASD S1000D and are practitioners or understand the concepts of XML/SGML authoring.

### Topics

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- **Data Module Production**
    - Data Module Editing
    - Analysing a Data Module
    - Adding Graphics to a Data Module
    - Reuse
    - Referencing
    - Booking in a Data Module
  - **Entity Management**
    - Entity Options
    - Assigning an Entity
    - Edit Entity
    - Production Control
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## Arbortext CSDB for S1000D (admin)

<b>Course Code</b>	TRN-2356C-T
<b>Course Length</b>	1 Day

### Overview

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A course designed for those who are new to the Arbortext CSDB for S1000D or ideal as a refresher course the training covers all aspects of using the application to produce a Common Source Database (CSDB) to comply with the requirements of ASD S1000D.

After completion of this course the delegates will have an in depth knowledge of the application and all the skills required to administer, manage and maintain a CSDB in the “real world”.

### Prerequisites

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This course is designed for technical authors and editors who are familiar with ASD S1000D and understand the concepts of XML/SGML.

### Topics

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- **Project Set-up**
    - Security and User Roles
    - Preferences and Options
    - Business Rules
  - **Requirements Management**
    - Data Module Requirements List
    - Schedule, Workload and Tasking
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- **Review/QA and Verification**
    - Comment/Rework
    - Data Interchange
      - Preferences
      - DMRL
      - AECMA Transfer Set Export
      - AECMA Transfer Set Import
      - Entities
      - Transaction Records
    - Life Cycle Update
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## Arbortext Publisher for S1000D (inc. Viewer)

<b>Course Code</b>	TRN-A2357
<b>Course Length</b>	1 Day

### Overview

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This course is designed for technical authors and editors who are responsible for an IETP/M and its associated data.

After completion of this course the delegates will have covered all the data requirements for producing and maintaining an electronic publication using LBS software environment in the "real world".

### Prerequisites

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This course does not require delegates to be familiar with any specific software or Standard.

### Topics

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- Publishing Station Process Overview
  - Setting up a project
  - Security
  - Project Preferences
  - Creating Publishing Codes
  - Adding Resources
  - Creating a build list
  - Building the IETP
  - Viewing the files
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